

300 E. Mineral Ave., Suite 10 Littleton, CO 80122-2631 303/781-8211 303/781-1167 Fax

August 31, 2006

Fluid Minerals Group Bureau of Land Management Vernal Field Office 170 South 500 East Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.

**RBU 32-13E** 

Surface Location: 1,624' FSL & 913' FEL, NE/4 SE/4, Target Location: 1,050' FSL & 1,550' FEL, SW/4 SE/4,

Section 13, T10S, R19E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton
Don Hamilton
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining Carla Christian, Dominion Ken Secrest, Dominion RECEIVED
AUG 3 1 2006

DIV. OF OIL, GAS & MINING

FILE COPY

CONFIDENTIAL

Form 3160-3 (February 2005)			OMB No.	PPROVED 1004-0137 arch 31, 2007
UNITED STATES DEPARTMENT OF THE I BUREAU OF LAND MAN			5. Lease Serial No. U -013765	
APPLICATION FOR PERMIT TO I			6. If Indian, Allotee N/A	or Tribe Name
la. Type of work:  DRILL  REENTE	R		7 If Unit or CA Agree River Bend Un	•
1b. Type of Well: ☐Oil Well ☐Gas Well ☐Other	Single Zone Multip	le Zone	8. Lease Name and V RBU 32-13E	Vell No.
2. Name of Operator  Dominion Exploration & Production, In	ıc.		9. API Well No. 43.0	47-38548
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. (include area code) 405-749-5263		10. Field and Pool, or I Natural Buttes	- •
4. Location of Well (Report location clearly and in accordance with any	y State requirements.*)		11. Sec., T. R. M. or B	lk. and Survey or Area
At surface 1,624' FSL & 913' FEL, NE/4 SE/4, At proposed prod. zone 1,050' FSL & 1,550' FEL, SW/4 SE/			Section 13, T1	0S, R19E, SLB&M
14. Distance in miles and direction from nearest town or post office*  10.24 miles southwest of Ouray, Utah			12. County or Parish Uintah	13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  913'	16. No. of acres in lease	17. Spacia 20 ac	ng Unit dedicated to this veres	vell
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  10'	19. Proposed Depth 8,650' TVD (8,848' MD)	20. BLM WY	BIA Bond No. on file 3322	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,138' GR	22. Approximate date work will star 01/15/2007	rt*	23. Estimated duration 14 days	n 
	24. Attachments			
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	4. Bond to cover them 20 above).  Lands, the 5. Operator certific	he operation	ons unless covered by an	existing bond on file (see
25. Signature Don. Hamilton	Name (Printed/Typed)  Don Hamilton			Date 08/31/2006
Title Agent for Postinion				
Approved by (Signapur)	Name (Printed/Typed) BRADLEY (	G. HII		Date 25-0G
Title	Office NVIRONMENTAL	. MANA	GER	
Application approval does not warrant or certify that the applicant hold conduct operations thereon.  Conditions of approval, if any, are attached.	ls legal or equitable title to those righ	nts in the su	bject lease which would	entitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a c States any false, fictitious or fraudulent statements or representations as	rime for any person knowingly and to any matter within its jurisdiction.	willfully to	make to any department	or agency of the United

\*(Instructions on page 2)

Surf

608988 X 4422181 Y 39.944633 -109.724274 BHL

Federal Approval of this Action is Necessary RECEIVED AUG 3 1 2006

608798X 4422003Y

39 943048

- 109.726523

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

#### DOMINION EXPLR. & PROD., INC. T10S, R19E, S.L.B.&M. Well location, RBU #32-13E, located as shown in N89°40'E - 5339.40' (G.L.O.) the NE 1/4 SE 1/4 of Section 13, T10S, R19E, 1956 Brass S.L.B.&M., Uintah County, Utah. Cap, Pile of Stones BASIS OF ELEVATION SPOT ELEVATION LOCATED AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES 2660. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET. .32,23"W BASIS OF BEARINGS N00.27'W LINE TABLE BASIS OF BEARINGS IS A G.P.S. OBSERVATION. DIRECTION LINE LENGTH S47'34'38"W 856.19 1956 Brass Cap, 0.5' High, Pile of Stones, 1928 Brass Steel Pipe Cap, 0.9' High, Steel Post 2661.31' (Meas. RBU #32-13E Elev. Graded Ground = 5138' 913' SCALE Bottom Hole 1550' VO1:33'03"W THIS IS TO CERTIFY THAT THE ASOLUTION FIELD NOTES OF ACTUAL SURVE SUPERVISION AND THAT THE BEST OF MY KNOWLEDGE AND 1956 Brass Cap. 0.8' High. 1956 Brass 33.00' (G.L.O.) -Pile of Stones Cap, 1.0' High, Pile of Stones S89°41'44"W - 2619.09' (Meas.) S89'43'10"W - 2620.35' (Meas.) 1956 Brass Cap, Pile 19|20 of Stones, Steel Pipe UINTAH ENGINEERING & LAND SURVEYING True Position 85 SOUTH 200 EAST - VERNAL, UTAH 84078 1956 Brass (NAD 83) Cap. 0.5' High. LATITUDE = 39'56'40.69" (39.944636) (435) 789-1017 Pile of Stones. Steel Pipe LONGITUDE = 109'43'29.93" (109.724981) LEGEND: SCALE DATE SURVEYED: DATE DRAWN: 1" = 1000'(NAD 27) 07-05-06 07-10-06 = 90° SYMBOL LATITUDE = 39'56'40.82'' (39.944672) PARTY REFERENCES LONGITUDE = 109'43'27.43" (109.724286) B.B. T.A. S.L. G.L.O. PLAT = PROPOSED WELL HEAD. WEATHER FILE = SECTION CORNERS LOCATED. WARM DOMINION EXPLR. & PROD., INC.

# APPROVAL OF OPERATIONS

#### **Attachment for Permit to Drill**

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

**RBU 32-13E** 

SHL: 1624' FSL & 913' FEL Section 13-10S-19E

BHL: 1050' FSL & 1550' FEL Section 13-10S-19E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

# 2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,165'
Uteland Limestone	4,525
Wasatch	4,685'
Chapita Wells	5,595
Uteland Buttes	6,855'
Mesaverde	7,735'

# 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<b>Formation</b>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,165'	Oil
Uteland Limestone	4,525'	Oil
Wasatch	4,685'	Gas
	5,595'	Gas
•	6,855'	Gas
Mesaverde	7,735'	Gas
Chapita Wells Uteland Buttes	5,595' 6,855'	Gas Gas

# 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	<u>Size</u>	Weight	Grade	Conn.	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface Intermediate Production	13-3/8" 9-5/8" 5-1/2"	48.0 ppf 36.0 ppf 17.0 ppf	H-40 J-55 MAV-80	STC STC LTC	0' 0'	500' 3,235' 8,650'	17-½" 12-1/4" 7-7/8"

# 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

#### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set.

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

Depths	Mud Weight (ppg)	Mud System
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3.235'	8.6	Fresh water, rotating head and diverter
3 235' - 8 650'	8.6	Fresh water/2% KCL/KCL mud system

#### BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

# 9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

# 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

- a. Surface Cement:
  - Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,235'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
Type	Sacks	<u>Interval</u>	<b>Density</b>	Yield	<u>Volume</u>	Volume
Lead	376	0'-2,735'	10.5 ppg	4.14 CFS	891 <b>CF</b>	1,559 CF
Tail	254	2,735'-3,235'	15.6 ppg	1.2 CFS	174 CF	305 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry vield:

4.14 cf/sack

Slurry weight: 10.5 #/gal.

15.6 #/gal.

Water requirement:

26.07 gal/sack

Compressives @ 110°F: 72 psi after 24 hours

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: Pump Time:

1.20 cf/sack Slurry weight:

1 hr. 5 min. @ 110 °F.

Compressives @, 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,650'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					HOIE	Comon
Type	Sacks	<u>Interval</u>	<b>Density</b>	Yield	<u>Volume</u>	<u>Volume</u>
Lead	90	3,885'-4,685'	11.5 ppg	3.12 CFS	139 <b>CF</b>	277 CF
Tail	790	4,685–8,650'	13.0 ppg	1.75 CFS	687 CF	1374 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

3.12 cf/sack

Slurry weight:

11.60 #/gal.

Water requirement:

17.71 gal/sack

Compressives @ 130°F: 157 psi after 24 hours

Tail Mix:

Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield:

1.75 cf/sack

Slurry weight:

13.00 #/gal.

Water requirement:

9.09 gal/sack

7.07 gail 500k

Compressives @ 165°F: 905 psi after 24 hours

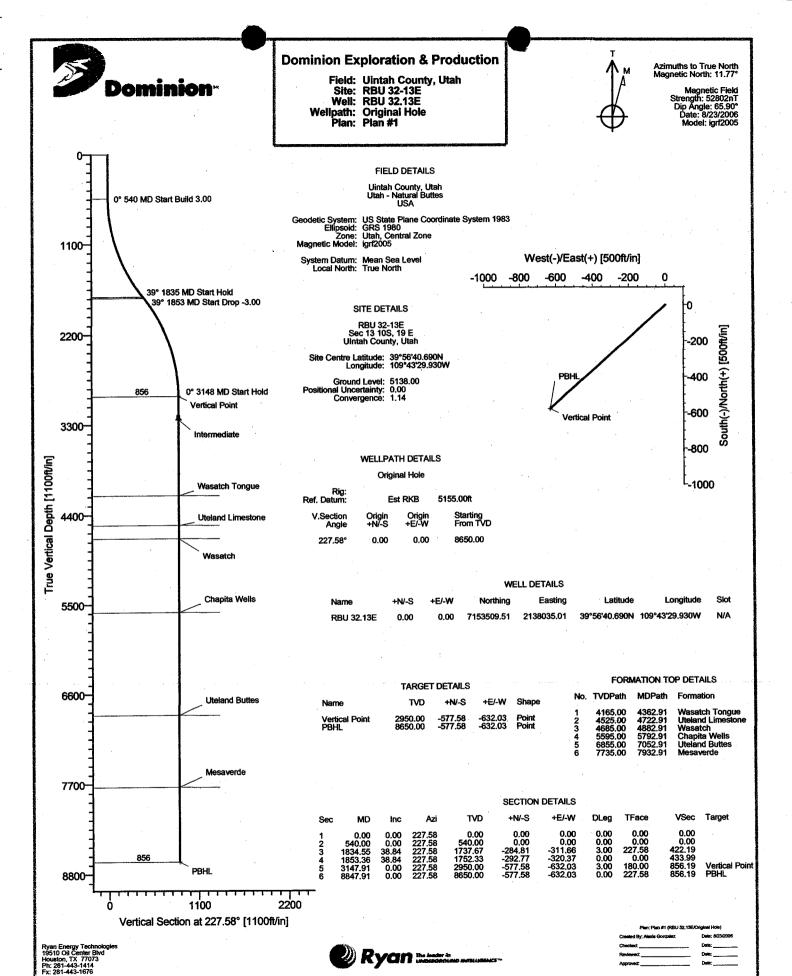
13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date:

January 15, 2007

Duration:

14 Days





# Ryan Energy Technologied **Planning Report**



Company: Dominion Exploration & Product

Field: Site:

Uintah County, Utah **RBU 32-13E** 

Well-

**RBU 32.13E** Wellpath: Original Hole Date: 8/23/2006

Time: 16:35:05

Vertical (TVD) Reference:

Section (VS) Reference: Plan:

Co-ordinate(NE) Reference: Well: RBU 32.13E, True North

Est RKB 5155.0

Well (0.00N,0.00E,227.58Azi) Plan #1

Uintah County, Utah

Utah - Natural Buttes

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Coordinate System: Geomagnetic Model: Utah, Central Zone

Well Centre igrf2005

Site:

**RBU 32-13E** 

Sec 13 10S, 19 E

Ulntah County, Utah

Site Position:

**Ground Level:** 

Well Position:

Geographic From:

**Position Uncertainty:** 

0.00 ft 5138.00 ft

Northing: Easting:

7153509.51 ft 2138035.01 ft Latitude:

Slot Name:

Longitude:

56 40.690 N 43 29.930 W 109

North Reference:

True

**Grid Convergence:** 

1.14 deg

Well:

Pien:

Principal:

**RBU 32.13E** 

7153509.51 ft 0.00 ft Northing: 0.00 ft Easting:

Latitude: 2138035.01 ft Longitude: 39 56 40.690 N

+E/-W **Position Uncertainty:** 

0.00 ft

29.930 W 109 43

Surface

Wellpath: Original Hole

**Current Datum:** 

Est RKB

+N/-S

Height 5155.00 ft

0.00

**Drilled From:** Tie-on Depth: **Above System Datum:** 

0.00 ft Mean Sea Level

8/23/2006

Magnetic Data: Field Strength: **Vertical Section:** 

52802 nT Depth From (TVD)

Declination: Mag Dip Angle: 11.77 deg 65.90 deg

+N/-Sft

+E/-W ft

Direction

deg 227.58

8650.00

**Date Composed:** Version:

0.00

8/23/2006

Tied-to:

From Surface

**Plan Section Information** 

Yes

Plan #1

	MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100f	Turn t deg/100ft	TFO deg	Target	
	0.00	0.00	227.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	•	
	540.00	0.00	227.58	540.00	0.00	0.00	0.00	0.00	0.00	0.00		
-	1834.55	38.84	227.58	1737.67	-284.81	-311.66	3.00	3.00	0.00	227.58		
-	1853.36	38.84	227.58	1752.33	-292.77	-320.37	0.00	0.00	0.00	0.00		
1 3	3147.91	0.00	227.58	2950.00	-577.58	-632.03	3.00	-3.00	0.00	180.00	Vertical Point	
8	8847.91	0.00	227.58	8650.00	-577.58	-632.03	0.00	0.00	0.00	227.58	PBHL	

#### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ff	Build deg/100f	Turn t deg/100ft	Tool/Comment
540.00	0.00	227.58	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	227.58	599.99	-0.64	-0.70	0.94	3.00	3.00	0.00	
700.00	4.80	227.58	699.81	-4.52	-4.94	6.70	3.00	3.00	0.00	
800.00	7.80	227.58	799.20	-11.92	-13.04	17.67	3.00	3.00	0.00	
900.00	10.80	227.58	897.87	-22.82	-24.97	33.83	3.00	3.00	0.00	
1000.00	13.80	227.58	995.57	-37.19	-40.70	55.13	3.00	3.00	0.00	
1100.00	16.80	227.58	1092.01	-54.99	-60.17	81.51	3.00	3.00	0.00	
1200.00	19.80	227.58	1186.94	-76,17	-83.35	112.91	3.00	3.00	0.00	
1300.00	22.80	227.58	1280.10	-100.67	-110.16	149.23	3.00	3.00	0.00	
1400.00	25.80	227.58	1371.23	-128.43	-140.53	190.38	3.00	3.00	0.00	
1500.00	28.80	227.58	1460.08	-159.36	-174.39	236.24	3.00	3.00	0.00	
1600.00	31.80	227.58	1546.41	-193.40	-211.63	286.68	3.00	3.00	0.00	, and the second se
1700.00	34.80	227.58	1629.98	-230.43	-252.15	341.58	3.00	3.00	0.00	
1800.00	37.80	227.58	1710.57	-270.36	-295.85	400.77	3.00	3.00	0.00	
1834.55	38.84	227.58	1737.67	-284.81	-311.66	422.19	3.00	3.00	0.00	
										<u></u>



# Ryan Energy Technologied **Planning Report**



Field:

Company: Dominion Exploration & Product

Uintah County, Utah RBU 32-13E

Site: **RBU 32.13E** Well: Wellpath: Original Hole

Date: 8/23/2006 Time: 16:35:05 Co-ordinate(NE) Reference: Well: RBU 32.13E, True North Vertical (TVD) Reference: Est RKB 5155.0

Section (VS) Reference:

Well (0.00N,0.00E,227.58Azi)

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100f	Build t deg/100f	Turn t deg/100ft	Tool/Comment
	·	227.58	1752.33	-292.77	-320.37	433.99	0.00	0.00	0.00	
853.36	38.84			-312.20	-341.63	462.79	3.00	-3.00	0.00	4.1
900.00	37.44	227.58	1789.01			521.48	3.00	-3.00	0.00	•
00.00	34.44	227.58	1869.96	-351.78	-384.95			-3.00	0.00	
100.00	31.44	227.58	1953.88	-388.46	-425.08	575.84	3.00			
200.00	28.44	227.58	2040.53	-422.12	-461.92	625.74	3.00	-3.00	0.00	
300.00	25.44	227.58	2129.67	-452.68	-495.35	671.04	3.00	-3.00	0.00	
400.00	22.44	227.58	2221.06	-480.05	-525.30	711.61	3.00	-3.00	0.00	
500.00	19.44	227.58	2314.44	-504.15	-551.68	747.34	3.00	-3.00	0.00	
600.00	16.44	227.58	2409.57	-524.92	-574.41	778.13	3.00	-3.00	0.00	
700.00	13.44	227.58	2506.18	-542.31	-593.43	803.91	3.00	-3.00	0.00	
800.00	10.44	227.58	2604.01	-556.26	-608.70	824.59	3.00	-3.00	0.00	
	7.44	227.58	2702.78	-566.74	-620.17	840.12	3.00	-3.00	0.00	•
900.00		227.58	2802.24	-573.72	-627.80	850.46	3.00	-3.00	0.00	
00.000	4.44	227.50				855.59	3.00	-3.00	0.00	
100.00	1.44	227.58	2902.09	-577.17	-631.59			-3.00	0.00	Vertical Point
147.91	0.00	227.58	2950.00	-577.58	-632.03	856.19	3.00	-3.00	0.00	vertical Font
3200.00	0.00	227.58	3002.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
300.00	0.00	227.58	3102.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
400.00	0.00	227.58	3202.09	-577.58	<i>-</i> 632.03	856.19	0.00	0.00	0.00	
432.91	0.00	227.58	3235.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Intermediate
3500.00	0.00	227.58	3302.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
3600.00	0.00	227.58	3402.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
3700.00	0.00	227.58	3502.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
	0.00	227.58	3602.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
3800.00				-577.58	-632.03	856.19	0.00	0.00	0.00	
3900.00	0.00	227.58	3702.09		-632.03	856.19	0.00	0.00	0.00	
00.000	0.00	227.58	3802.09	-577.58	-032.03	000.19	0.00	0.00	0.00	
1100.00	0.00	227.58	3902.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
1200.00	0.00	227.58	4002.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
4300.00	0.00	227.58	4102.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
1362.91	0.00	227.58	4165.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Wasatch Tongue
1400.00	0.00	227.58	4202.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
4500.00	0.00	227.58	4302.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
4600.00	0.00	227.58	4402.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
4700.00	0.00	227.58	4502.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
4722.91	0.00	227.58	4525.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Uteland Limestone
4722.91 4800.00	0.00	227.58	4602.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
	0.00	227.58	4685.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Wasatch
4882.91	0.00		4702.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
4900.00	0.00	227.58		-577.58	-632.03 -632.03	856.19	0.00	0.00	0.00	
5000.00	0.00	227.58	4802.09				0.00	0.00	0.00	
5100.00	0.00	227.58	4902.09	-577.58	-632.03	856.19			0.00	
5200.00	0.00	227.58	5002.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
5300.00	0.00	227.58	5102.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
5400.00	0.00	227.58	5202.09	-577.58	-632.03	856.19	0.00	0.00	0.00	•
5500.00	0.00	227.58	5302.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
5600.00	0.00	227.58	5402.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
5700.00	0.00	227.58	5502.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
E702 04	0.00	227.58	5595.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Chapita Wells
5792.91		227.58	5602.09	-577.58	-632.03	856.19	0.00	0.00	0.00	•
5800.00	0.00				-632.03	856.19	0.00	0.00	0.00	
5900.00	0.00	227.58	5702.09	-577.58 577.50			0.00	0.00	0.00	
6000.00 6100.00	0.00 0.00	227.58 227.58	5802.09 5902.09	-577.58 -577.58	-632.03 -632.03	856.19 856.19	0.00	0.00	0.00	
. 100.00	0.00	221.00								
6200.00	0.00	227.58	6002.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
6300.00	0.00	227.58	6102.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
6400.00	0.00	227.58	6202.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
	0.00	227.58	6302.09	-577.58	-632.03	856.19	0.00	0.00	0.00	



# Ryan Energy Technologied **Planning Report**



Company: Dominion Exploration & Product

Field: Site:

Well:

Uintah County, Utah **RBU 32-13E** 

**RBU 32.13E** Wellpath: Original Hole Date: 8/23/2006

Time: 16:35:05

Co-ordinate(NE) Reference: Well: RBU 32.13E, True North

Vertical (TVD) Reference: Est RKB 5155.0 Section (VS) Reference:

Well (0.00N,0.00E,227.58Azi) Plan #1

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	227.58	6402.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
6700.00	0.00	227.58	6502.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
6800.00	0.00	227.58	6602.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
6900.00	0.00	227.58	6702.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7000.00	0.00	227.58	6802.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7052.91	0.00	227.58	6855.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Uteland Buttes
7100.00	0.00	227.58	6902.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7200.00	0.00	227.58	7002.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7300.00	0.00	227.58	7102.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7400.00	0.00	227.58	7202.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7500.00	0.00	227.58	7302.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7600.00	0.00	227.58	7402.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7700.00	0.00	227.58	7502.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7800.00	0.00	227.58	7602.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7900.00	0.00	227.58	7702.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
7932.91	0.00	227.58	7735.00	-577.58	-632.03	856.19	0.00	0.00	0.00	Mesaverde
8000.00	0.00	227.58	7802.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8100.00	0.00	227.58	7902.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8200.00	0.00	227.58	8002.09	-577.58	-632.03	856.19	0.00	0.00	0.00	,
8300.00	0.00	227.58	8102.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8400.00	0.00	227.58	8202.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8500.00	0.00	227.58	8302.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8600.00	0.00	227.58	8402.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8700.00	0.00	227.58	8502.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8800.00	0.00	227.58	8602.09	-577.58	-632.03	856.19	0.00	0.00	0.00	
8847.91	0.00	227.58	8650.00	-577.58	-632.03	856.19	0.00	0.00	0.00	PBHL

Name Description Dip. I	TVD Dir. ft	+N/-S ft	+E/-W ft	Map Map Northing Easting ft ft	< Deg	- Latitude> Min Sec	→ Longitude →→ Deg Min Sec
Vertical Point	2950.00	-577.58	-632.03	7152919.502137414.57	39	56 34.981 N	109 43 38.045 W
-Plan hit target PBHL	8650.00	-577.58	-632.03	7152919.502137414.57	39	56 34.981 N	109 43 38.045 W
-Plan hit target	man and the second of the second			and the agreement of the same			and the second of the second of

#### **Casing Points**

MD ft	TVD- ft	Diameter in	Hole Size in	Name
3432.91	3235.00	9.625	9.625	Intermediate

MD	TVD	Formations		and the second	Lithology		Dip Angle deg	Dip Direction deg
4000.04	4165.00	Wasatch Tongue					0.00	0.00
4362.91 4722.91	4525.00	Uteland Limestone	<b>)</b>				0.00	0.00
4882.91	4685.00	Wasatch					0.00	0.00
5792.91	5595.00	Chapita Wells					0.00	0.00
7052.91	6855.00	Uteland Buttes					0.00 0.00	0.00 0.00
7932.91	7735.00	Mesaverde					0.00	0.00

## SURFACE USE PLAN

# CONDITIONS OF APPROVAL

#### Attachment for Permit to Drill

Name of Operator:

**Dominion Exploration & Production** 

Address:

14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

Well Location:

**RBU 32-13E** 

SHL: 1624' FSL & 913' FEL Section 13-10S-19E

1050' FSL & 1550' FEL Section 13-10S-19E BHL:

Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Thursday, August 10, 2006 at approximately 11:15 am. In attendance at the onsite inspection were the following individuals:

Karl Wright

Nat. Res. Prot. Spec.

Bureau of Land Management - Vernal

**Brandon McDonald** 

Wildlife Biologist

Ken Secrest

Field Foreman

Bureau of Land Management - Vernal

Brandon Bowthorpe

Surveyor

Dominion E & P, Inc. **Uintah Engineering & Land Surveying** 

Billy McClure

**Foreman** 

LaRose Construction **Jackson Construction** 

Randy Jackson Don Hamilton

**Foreman** Agent

Buys & Associates, Inc.

#### **Existing Roads:** 1.

- No upgrades to existing roads and no new roads are proposed at this time since access will a. utilize the existing road to the existing well site.
- The proposed well site is located approximately 10.24 miles south of Ouray, UT. b.
- Directions to the proposed well site have been attached at the end of Exhibit B. c.
- The use of roads under State and County Road Department maintenance are necessary to d. access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- All existing roads will be maintained and kept in good repair during all phases of operation. e.
- Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- Since no improvements are anticipated to any State, County, Tribal or BLM access roads no f. topsoil striping will occur.
- An off-lease federal right-of-way is not anticipated for the access road or utility corridor g. since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

#### 2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 9-13E with no new access proposed.
- b. The operator will be responsible for all maintenance of the existing access road including drainage structures.

# 3. Location of Existing Wells:

a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

# 4. <u>Location of Production Facilities</u>:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3
   will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Compressor #3 to provide additional production transportation capacity from the proposed 20 acre in-field wells.
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.
- i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints

into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

# Location and Type of Water Supply:

a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

#### 6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- No construction materials will be removed from Ute Tribal or BLM lands.
- If any gravel is used, it will be obtained from a state approved gravel pit.

## 7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the northwest side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- 1. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

## 8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

## 9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the southwest.
- The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

- k. Pits will remain fenced until site cleanup.
- 1. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

# 10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.

a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.

b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:

1. Crested Wheat Grass

(4 lbs / acre)

2. Needle and Thread Grass

(4 lbs / acre)

3. Rice Grass

(4 lbs / acre)

- c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

#### 11. Surface and Mineral Ownership:

- a. Surface Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

#### 12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.
  - c. A pipeline upgrade is proposed with this application.

# 13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt) Company Representative (Oklahoma)	Ken Secrest Carla Christian	1-435-722-4521 1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

#### Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

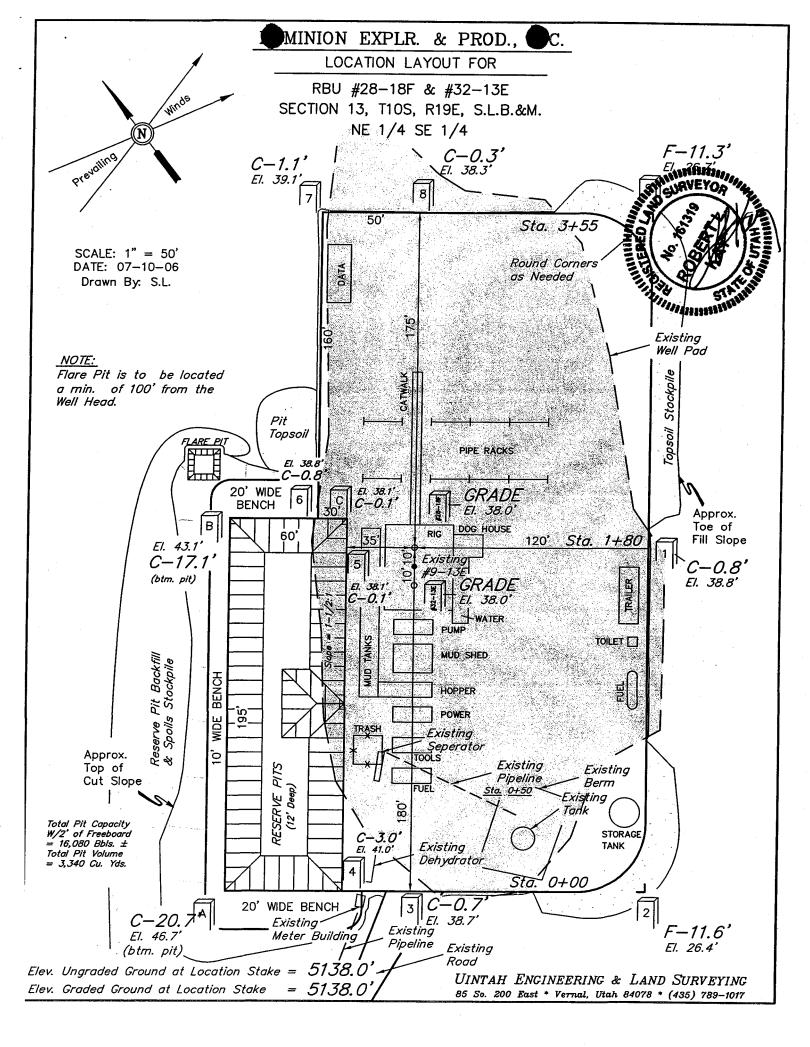
Signature:	Don	Hamilton	Date:	8-31-06

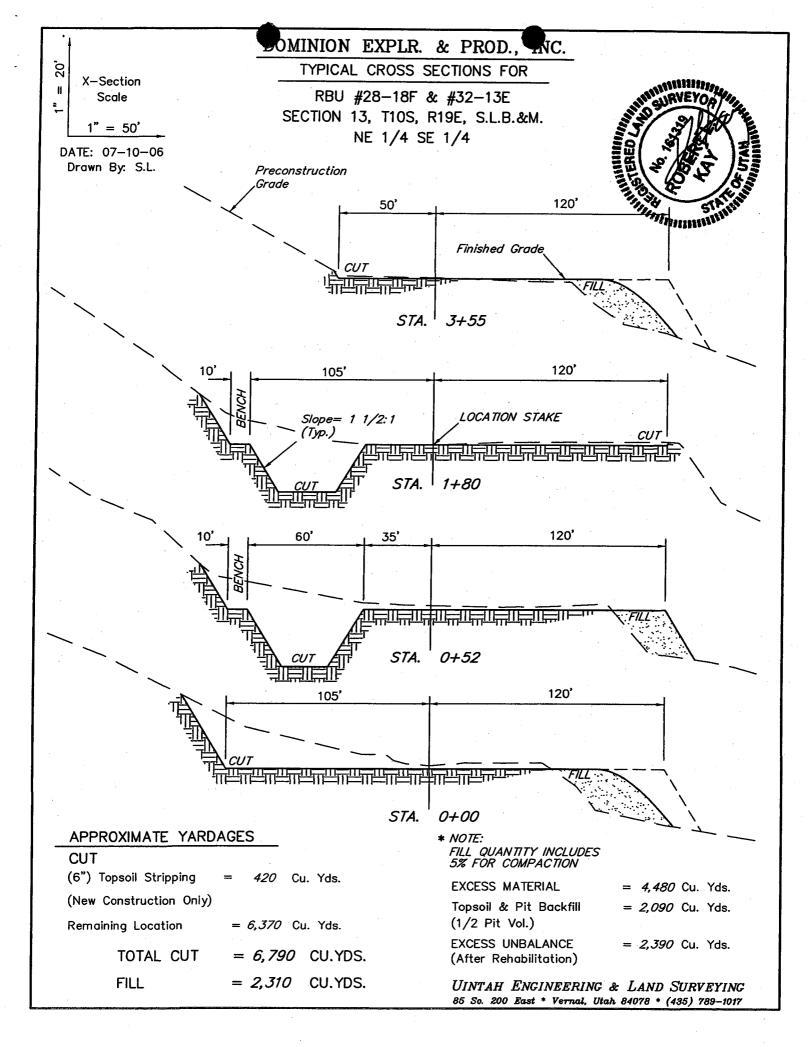
# DOMINION EXPLR. & PROD., INC.

RBU #28-18F & #32-13E SECTION 13, T10S, R19E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMIATELY 0.25 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.15 MILES.





# DOMINION EXPLR. & PROD., INC.

RBU #28-18F & #32-13E LOCATED IN UINTAH COUNTY, UTAH SECTION 13, T10S, R19E, S.L.B.&M.

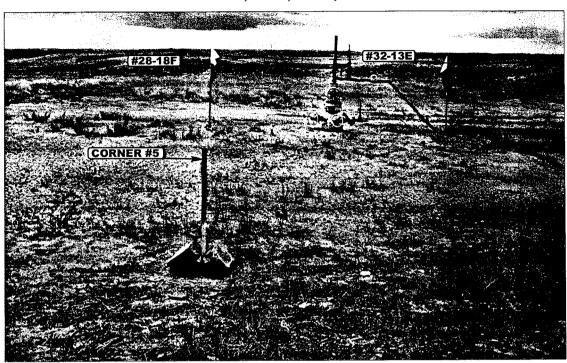


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: SOUTHEASTERLY** 

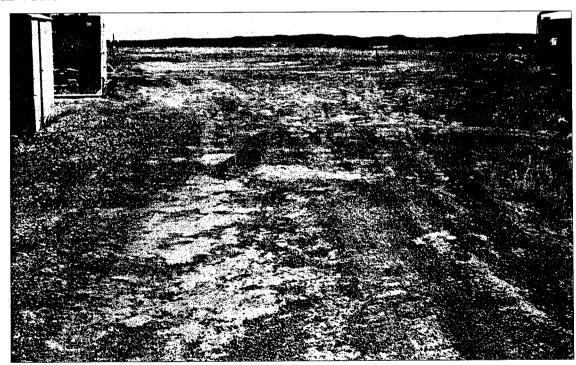


PHOTO: VIEW OF EXISTING ACCESS

**CAMERA ANGLE: NORTHEASTERLY** 

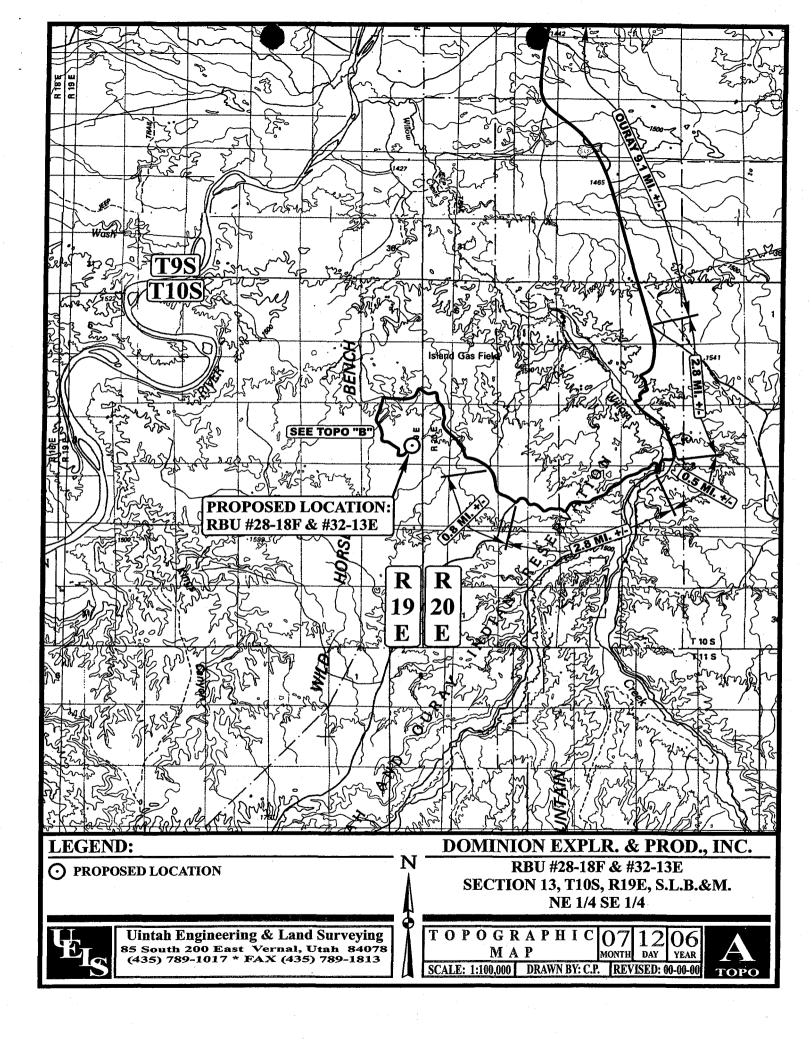


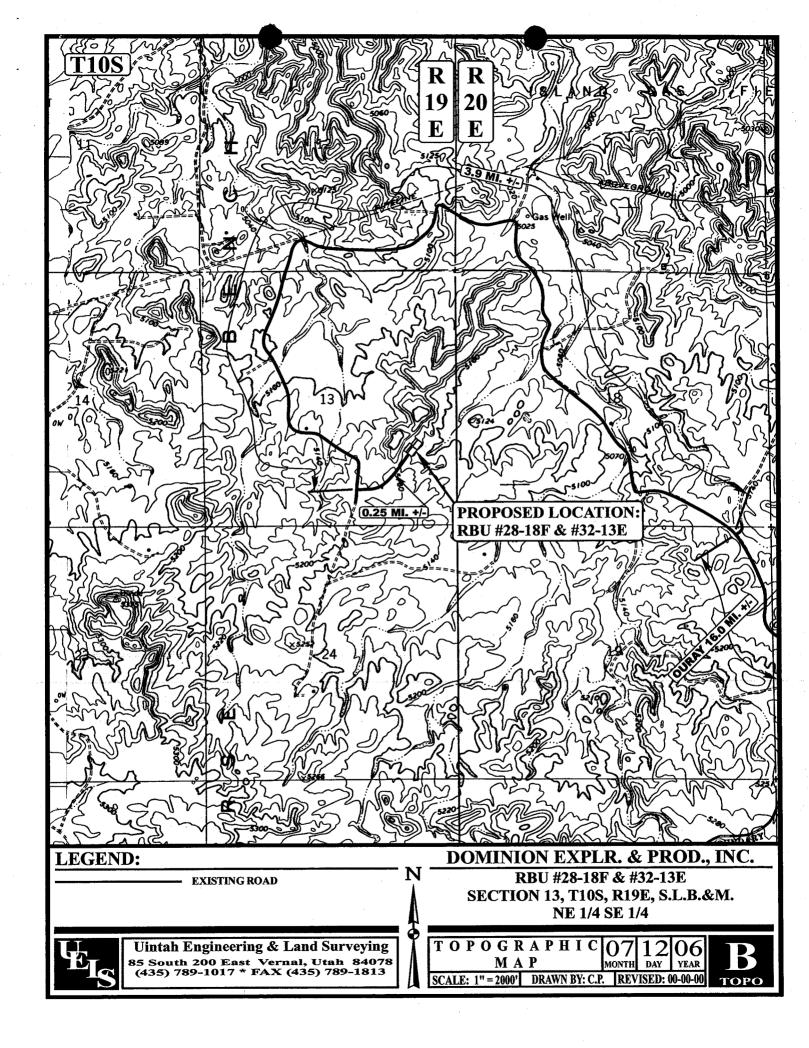
Uintah Engineering & Land Surveying S South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

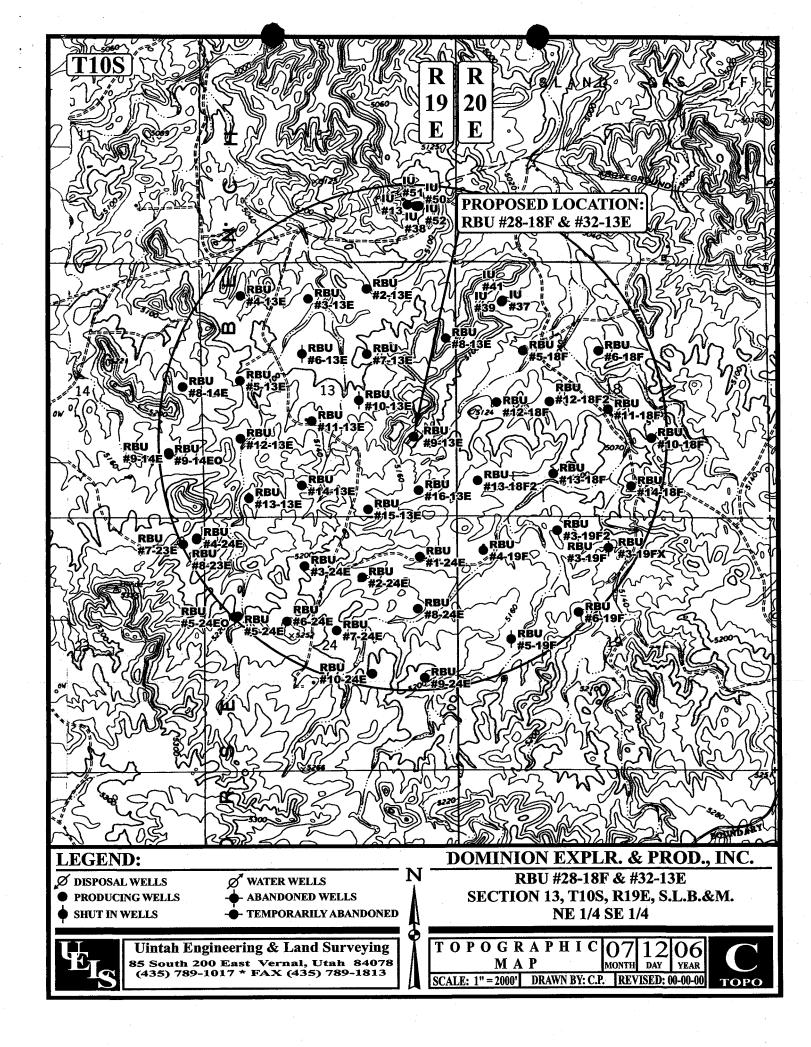
**LOCATION PHOTOS** 

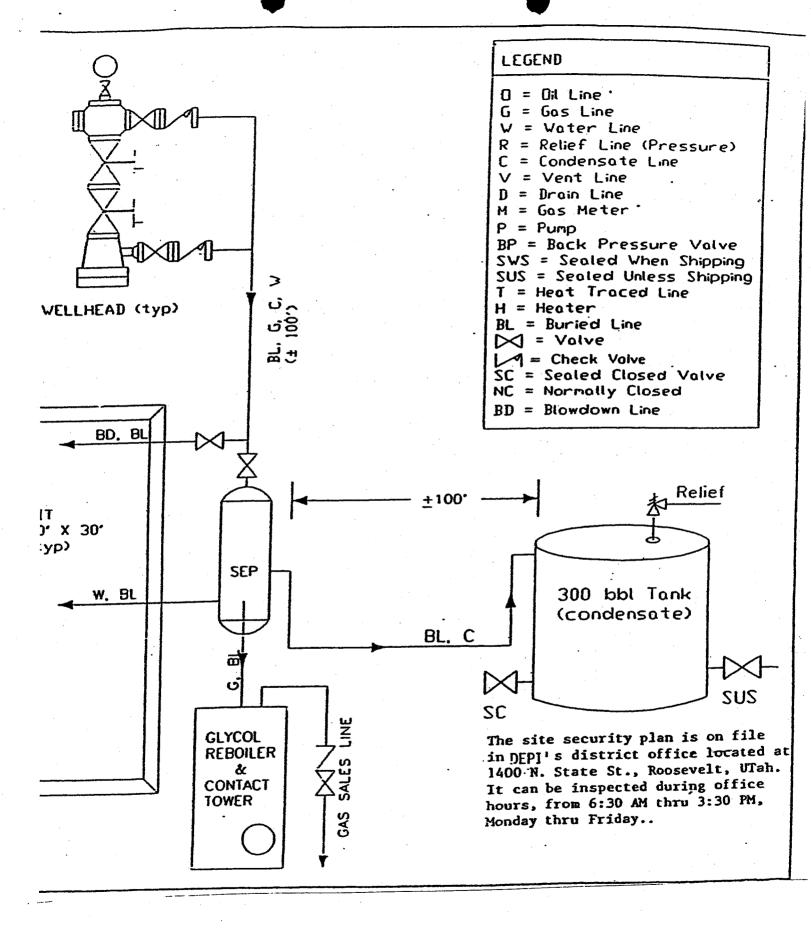
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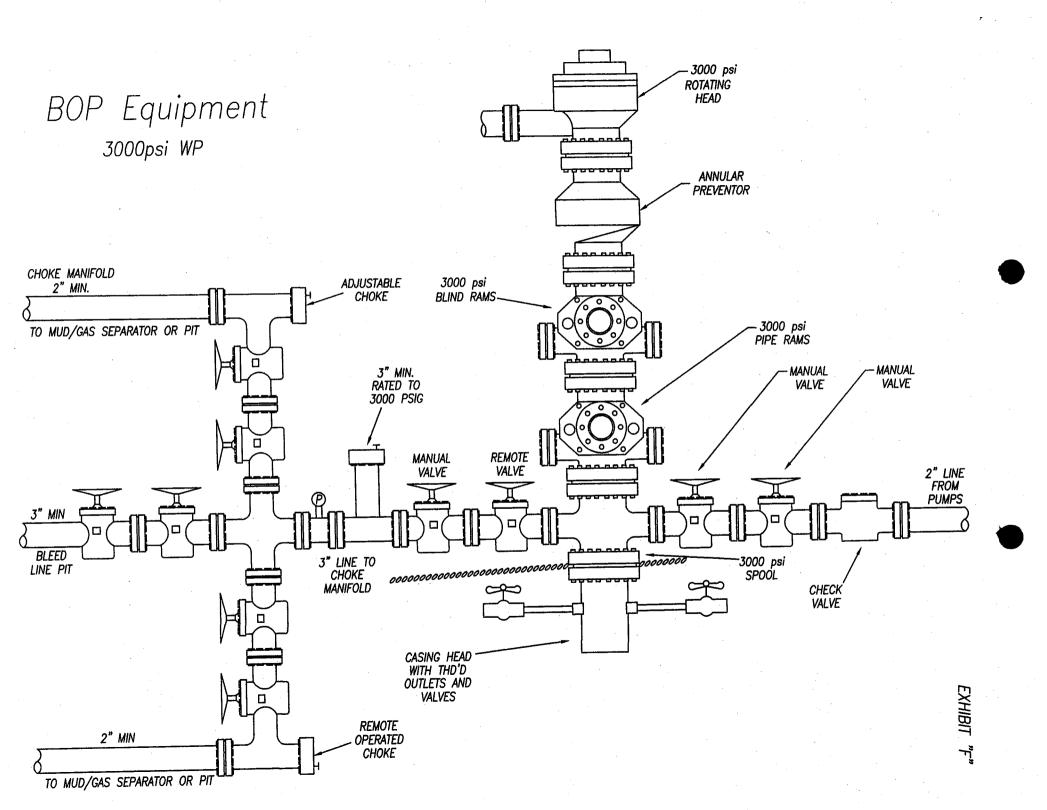
TAKEN BY: B.B. DRAWN BY: C.P. REVISED: 00-00-00



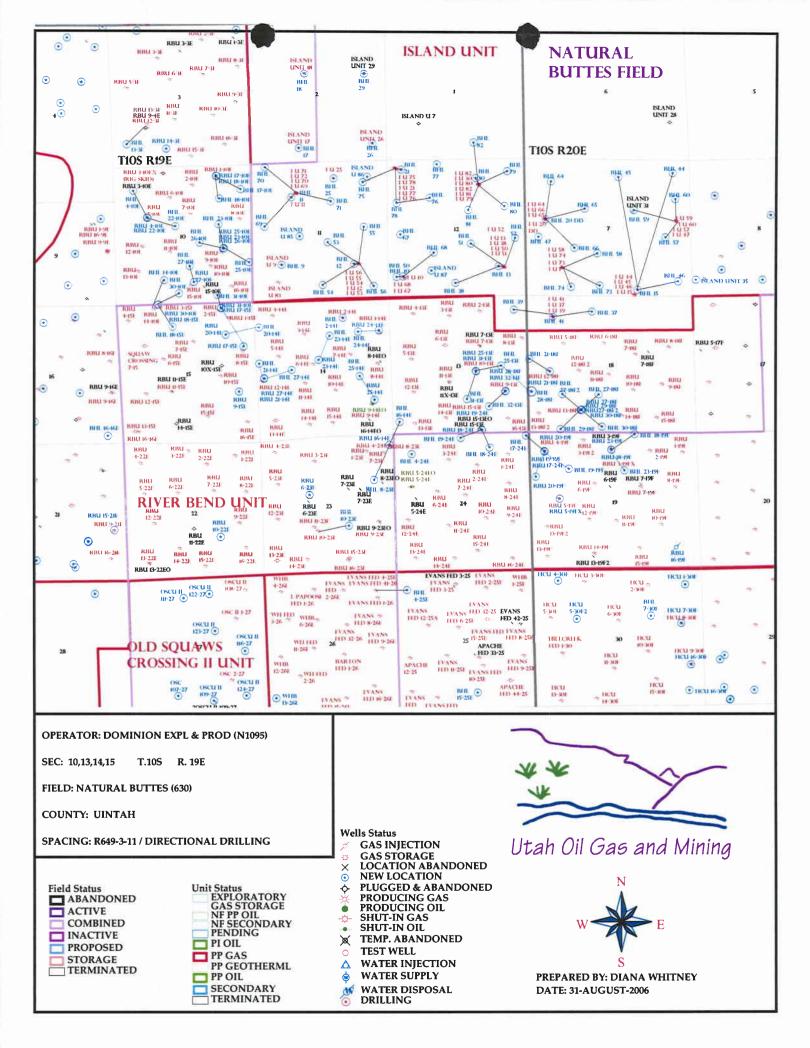








APD RECEIVED: 08/31/2006	API NO. ASSIGNED: 43-047-38548
WELL NAME: RBU 32-13E	
OPERATOR: DOMINION EXPL & PROD ( N1095 )	PHONE NUMBER: 405-749-5263
CONTACT: DON HAMILTON	
PROPOSED LOCATION:  NESE 13 100S 190E  SURFACE: 1624 FSL 0913 FEL  BOTTOM: 1050 FSL 1550 FEL  COUNTY: UINTAH  LATITUDE: 39.94463 LONGITUDE: -109.7243  UTM SURF EASTINGS: 608988 NORTHINGS: 4422181  FIELD NAME: NATURAL BUTTES (630)  LEASE TYPE: 1 - Federal  LEASE NUMBER: U-013765	INSPECT LOCATN BY: / /  Tech Review Initials Date  Engineering  Geology  Surface  PROPOSED FORMATION: MVRD
SURFACE OWNER: 1 - Federal	COALBED METHANE WELL? NO
Plat	LOCATION AND SITING:
STIPULATIONS: Lean Dipprox	



# **United States Department of the Interior**

# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 19, 2006

#### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development River Bend Unit Uintah County,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ MesaVerde)

43-047-38582 RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL

43-047-38584 RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL

43-047-38585 RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL

43-047-38586 RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL

43-047-38587 RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL

43-047-38588 RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL

43-047-38543 RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL

43-047-38544 RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL

#### BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

- 43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL BHL Sec 24 T10S R19E 0150 FNL 2550 FWL
- 43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL BHL Sec 13 T10S R19E 2700 FNL 1050 FEL
- 43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL BHL Sec 13 T10S R19E 1350 FSL 2400 FEL
- 43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL BHL Sec 14 T10S R19E 2500 FNL 0050 FWL
- 43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL BHL Sec 14 T10S R19E 2550 FSL 1300 FWL
- 43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL BHL Sec 14 T10S R19E 1300 FNL 1250 FEL
- 43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL BHL Sec 14 T10S R19E 1450 FNL 2350 FEL
- 43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL BHL Sec 10 T10S R19E 0200 FSL 1450 FEL
- 43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL BHL Sec 15 T10S R19E 1350 FNL 1200 FEL
- 43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL BHL Sec 15 T10S R19E 1000 FNL 2100 FWL
- 43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL BHL Sec 14 T10S R19E 1100 FNL 0100 FWL
- 43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL BHL Sec 18 T10S R20E 2450 FNL 0050 FWL
- 43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL BHL Sec 18 T10S R20E 1500 FSL 2700 FWL
- 43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL BHL Sec 18 T10S R20E 1500 FSL 1300 FWL
- 43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL BHL Sec 18 T10S R20E 0250 FSL 2800 FWL
- 43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL BHL Sec 18 T10S R20E 0150 FSL 1200 FWL
- 43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL BHL Sec 24 T10S R19E 0100 FNL 0150 FEL
- 43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - River Bend Unit

Division of Oil Gas and Mining



Department of

Natural Resources

MICHAEL R. STYLER

Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

September 25, 2006

Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

Re: RBU 32-13E Well, Surface Location 1624' FSL, 913' FEL, NE SE, Sec. 13, T. 10 South, R. 19 East, Bottom Location 1050' FSL, 1550' FEL, SW SE, Sec. 13, T. 10 South, R. 19 East, Uintah County, Utah

## Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38548.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	tion, Inc.					
Well Name & Number	RBU 32-13E					
API Number:	43-047-38548					
Lease:	U-0137					
Surface Location: <u>NE SE</u>	Sec. 13	<b>T.</b> 10 South	<b>R.</b> 19 East			
<b>Bottom Location:</b> SW SE	<b>Sec.</b> 13	<b>T.</b> 10 South	<b>R.</b> 19 East			

# **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

# 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

# 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Form 3160-5 (August, 1959)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR

# **BUREAU OF LAND MANAGEMENT**

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

5. Lease Serial No. U-013765

OMB No. 1004-0135	5
Expires: November 30, 2	000

FORM APPROVED

SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill or to re-enter an	

6. If Indian, Allottee or Tribe Name

abandoned well. Use	Form 3160-3 (APD) for such proposals	•				
SUBMIT IN TRIPLIC	ATE - Other Instructions on reverse side	***	7. If Unit or CA/Agreement, Name and/or No.			
1. Type of Well			River Bend Unit			
Oil Well X Gas Well	Other	TIAL	8. Well Name and No.			
2. Name of Operator	OWNIDEN	(	RBU 32-13E  9. API Well No.			
Dominion Exploration & Production	on, Inc.	~i.				
3a. Address Suite 6			43-047-38548			
14000 Quail Springs Parkway, Ol 4. Location of Well (Footage, Sec., T., R., M.,		00	10. Field and Pool, or Exploratory Area  Natural Buttes			
1,624' FSL & 913' FEL, NE SE, S	ection 13-10S-19E		11. County or Parish, State			
1,050' FSL & 1,550' FEL, SW SE			Uintah, UT			
12. CHECK APPROPRIATE	BOX(ES) TO INDICATE NATURE OF N	OTICE, RE	PORT OR OTHER DATA			
TYPE OF SUBMISSION	ТҮРЕ	OF ACTIO	N			
Notice of Intent	Acidize Deepen	Production	(Start/Resume) Water Shut-Off			
	Altering Casing Fracture Treat	Reclamatio				
Subsequent Report	Casing Repair New Construction	Recomplete				
Final Abandonment Notice	Change Plans Plug and Abandon  Convert to Injection Plug Back	Temporarily Water Dispo				
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)  Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.  Accepted by the Utah Division of Utah Division of Oil, Gas and Mining FOR RECORD OILLY						
14. I hereby certify that the foregoing is true a Name (Printed/Typed)	nd correct	ı				
Keri Pfeifer		Title	Associate Regulatory Specialist			
Signature Keri Pbuhh		Date	11/06/2006			
THIS SHIP STATES	A PACE DO REPORTATION AND RESEARCH	BORFICE				
Approved by		Title	Date			
	d. Approval of this notice does not warrant or quitable title to those rights in the subject lease at operations thereon.	Office				
Title 18 U.S.C. Section 1001 and Title 43 t	J.S.C. Section 1212, makes it a crime for any pe	rson knowingly	and willfully to make to any department or agency of the			

**RECEIVED** NOV 1 6 2006

# **APPROVAL OF OPERATIONS**

#### **Attachment for Permit to Drill**

Name of Operator:

**Dominion Exploration & Production** 

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 32-13E

SHL: 1624' FSL & 913' FEL Section 13-10S-19E

BHL: 1050' FSL & 1550' FEL Section 13-10S-19E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

#### 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

Formation	Depth
Wasatch Tongue	4,363
Uteland Limestone	4,723'
Wasatch	4,883
Chapita Wells	5,793'
Uteland Buttes	7,053
Mesaverde	7,933'

#### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,363'	Oil
Uteland Limestone	4,723'	Oil
Wasatch	4,883	Gas
Chapita Wells	5,793'	Gas
Uteland Buttes	7,053	Gas
Mesaverde	7,933'	Gas

#### 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	Weight	<u>Grade</u>	Conn.	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0,	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0,	3,493'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,848'	7-7/8"

# 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

#### **APPROVAL OF OPERATIONS**

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	Mud Weight (ppg)	Mud System
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,493'	8.6	Fresh water, rotating head and diverter
3,493' - 8,848'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- · Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

## 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### **APPROVAL OF OPERATIONS**

#### 12. CEMENT SYSTEMS

- a. Surface Cement:
  - Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,433'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
Type	Sacks	<u>Interval</u>	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	404	0'-2,933'	10.5 ppg	4.14 CFS	957 CF	1,674 CF
Tail	254	2,933'-3,433'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.

Water requirement: 26.07 gal/sack
Compressives (a), 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.

Pump Time: 1 hr. 5 min. @ 110 °F.

Compressives @ 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,848'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					Hole	Cement
<u>Type</u>	Sacks	<u>Interval</u>	<b>Density</b>	Yield	<u>Volume</u>	<u>Volume</u>
Lead	.90	2,632'-3,432'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	1080	3,432'-8,848'	13.0 ppg	1.75 CFS	938 CF	1877 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.

Water requirement: 17.71 gal/sack

Compressives (a) 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.

Water requirement: 9.09 gal/sack

Compressives (a) 165°F: 905 psi after 24 hours

# 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: January 15, 2007

Duration: 14 Days

Form 3160-3 (February 2005)

# RECEIVED

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

# UNITED STATES DEPARTMENT OF THE INTERIOR RURFALLOF LAND MANAGEMENT

AUG 3 0 2006

Expires March 31, 2007

5. Lease Serial No.
U -013765

DEPARTMENT OF THE I	NIERIOR	i	U -013765		
BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL OR REENTER			6. If Indian, Allotee or Tribe Name  N/A		
a. Type of work: 🗸 DRILL REENTE	:R		River Bend Unit		
		Ī	8. Lease Name and Well No.		
b. Type of Well: Oil Well Gas Well Other	✓ Single ZoneMultipl	le Zone	RBU 32-13E		
Name of Operator		1	9. API Well No.	95110	
Dominion Exploration & Production, In			<u>43-041-3</u> 10. Field and Pool, or Explorate		
3a. Address 14000 Quail Springs Parkway, Suite 600 3b. Phone No. (include area code)			Natural Buttes	лу	
Oklahoma City, OK 73134	405-749-5263		11. Sec., T. R. M. or Blk. and S	urvey or Area	
Location of Well (Report location clearly and in accordance with an	y State requirements.*)		11. Sec., 1. R. M. O. Dik. and 5	uivey or raca	
At surface 1,624' FSL & 913' FEL, NE/4 SE/4,			Section 13, T10S, R19	E, SLB&M	
At proposed prod. zone 1,050' FSL & 1,550' FEL, SW/4 SE	/4,				
4. Distance in miles and direction from nearest town or post office*		1	12. County or Parish	13. State	
10.24 miles southwest of Ouray, Utah	T		Uintah	1 01	
5. Distance from proposed*	16. No. of acres in lease	17. Spacin	g Unit dedicated to this well		
property or lease line, ft.	1097.87 acres	20 acı	res		
(Also to nearest drig. unit line, if any)		20 BLM/I	BIA Bond No. on file		
8. Distance from proposed location* to nearest well, drilling, completed,	19. Proposed Depth				
applied for, on this lease, ft.	8,650' TVD (8,848' MD)	WY 3	322		
1. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will star	rt*	23. Estimated duration		
5,138' GR	01/15/2007		14 days		
	24. Attachments				
he following, completed in accordance with the requirements of Onsho	ore Oil and Gas Order No.1, must be a	ttached to th	is form:		
			ns unless covered by an existing	g bond on file (see	
. Well plat certified by a registered surveyor.	Item 20 above).	ше орегало	is uniess covered by an existing	s come on and (over	
2. A Drilling Plan.  3. A Surface Use Plan (if the location is on National Forest System	Lands the 5 Operator certific	cation			
SUPO must be filed with the appropriate Forest Service Office).	6. Such other site	specific inf	ormation and/or plans as may be	e required by the	
	BLM.		Date		
25. Signature Don Hamilton	Name (Printed/Typed)  Don Hamilton		[	8/31/2006	
	Poli Hammon		L	<del></del>	
Title Agent for Dominion					
Approved by (Signature)	Name (Printed/Typed)		Date		
approved by (biginarie)	JERRY KEN	ceks	2/2	26/2007	
Title Assistant Field Manager		AI CIE	LD OFFICE	/	
I ande & Minaral Resources	VERN	AL FIE		Lliamtta	
Application approval does not warrant or certify that the applicant ho	lds legal or equitable title to those rig	hts in the su	bject lease which would entitle t	CATTURE OF THE	
conduct operations thereon. Conditions of approval, if any, are attacked.	IUND UT F	4rr	MUVAL F	11 IMU	
Conditions of approval, it any, are attached:	-ine for any names Irraminate and	willfully to	make to any denartment or agen	cv of the United	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations a	is to any matter within its jurisdiction.	winiany w	mane to any department or agen		
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\*(Instructions on page 2)

**NOTICE OF APPROVAL** 

RECEIVED MAR 0 9 2007

DIV. OF OIL, GAS & MINING



ORIGINAL

CONFIDENTIAL



## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

170 South 500 East

**VERNAL, UT 84078** 

(435) 781-4400



## CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Dominion Expl. & Prod., Inc. Locat

Location: NE

**NESE, Sec 13, T10S, R19E** 

Well No: API No: RBU 32-13E 43-047-38548 Lease No: UTU-013765
Agreement: River Bend Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
After Hours Contact Number: 435	-781-4513	Fax: 435-781-4410	

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Karl Wright)

Forty-Eight (48) hours prior to construction of location and access roads.

Location Completion (Notify Karl Wright)

Prior to moving on the drilling rig.

Spud Notice (Notify Petroleum Engineer)

(Notify Jamie Sparger)

Twenty-Four (24) hours prior to spudding the well.

Casing String & Cementing

Twenty-Four (24) hours prior to running casing and cementing all casing strings.

BOP & Related Equipment Tests (Notify Jamie Sparger)

Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice (Notify Petroleum Engineer)

- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

COAs: Page 2 of 6 Well: RBU 32-13E

## SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

1. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.

The interim seed mix for reclamation will be:

Hy-crest Crested Wheatgrass Agropyron cristatum 4 lbs per acre
Indian rice grass Orazopsis hymenoides 4 lbs per acre
Needle and Threadgrass Stipa comata 4 lbs per acre

- 2. If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- 3. Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- 4. Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

COAs: Page 3 of 6 Well: RBU 32-13E

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- 1. A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
- 2. The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.

#### Variance granted:

Eighty foot long blooie line approved.

## DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. <u>Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.</u>
- 4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.

COAs: Page 4 of 6 Well: RBU 32-13E

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).

- 6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- 7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- 8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- 9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including,

COAs: Page 5 of 6 Well: RBU 32-13E

at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

- 12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- 13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

COAs: Page 6 of 6 Well: RBU 32-13E

f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
- h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

#### Form 3160-5 (August, 1999)

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease

which would entitle the applicant to conduct operations thereon.

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM A	PPROVED
OMB No.	1004-0135

OMB No.	1004-0135
Expires: Nove	mber 30, 2000

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

[5. I	Lease Serial No.
	U-013765
6. I	f Indian, Allottee or Tribe Name

abandoned well. Us	Form 3160-3 (APD) for such	proposals.		
SUBMODINARIEM	ATE - Other Districtions on a	reverse side	7. If Un	it or CA/Agreement, Name and/or No.
1. Type of Well			F	River Bend Unit
Oil Well X Gas Well	Other		8. Well	Name and No.
2. Name of Operator	` <b>```</b>		——— F	RBU 32-13E
				Vell No.
Dominion Exploration & Production 3a. Address		N ("1 -1		13-047-38548
14000 Quail Springs Pkwy, Ste 6		one No. (include area o 05) 749-5237	/	d and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M.	or Survey Description)	55) 149-5251		Natural Buttes
BHL: 1624' FSL & 913' FEL, NE	SE. Sec. 13-10S-19E			nty or Parish, State
SHL: 1050' FSL & 1550' FEL, SW	•			Jintah, UT
12. CHECK APPROPRIATE	BOX(ES) TO INDICATE NAT	TURE OF NOTICE	E, REPORT O	R OTHER DATA
TYPE OF SUBMISSION		TYPE OF A	CTION	
X Notice of Intent	Acidize	en Prod	duction (Start/Resur	ne) Water Shut-Off
	Altering Casing Fractu	re Treat Rec	lamation	Well Integrity
Subsequent Report	Casing Repair New C	Construction Rec	omplete	Other
<del></del>	X Change Plans Plug a	nd Abandon Tem	porarily Abandon	
Final Abandonment Notice	Convert to Injection Plug B	Back Wat	er Disposal	
If the proposal is to deepen directionally Attach the Bond under which the work following completion of the involved opposetsing has been completed. Final Aldetermined that the site is ready for final Dominion requests permiss	y or recomplete horizontally, give subsur will be performed or provide the Bond Nerations. If the operation results in a mu pandonment Notices shall be filed only af I inspection.)	face locations and mea No. on file with BLM/BIA Itiple completion or reco fter all requirements, inc	sured and true ver. Required subsempletion in a new luding reclamation. The RBU 32-13  by the sion of a Mining	sed work and approximate duration thereof. tical depths of all pertinent markers and zones. souent reports shall be filed within 30 days interval, a Form 3160-4 shall be filed once have been completed and the operator has  E slightly. The intermediate depth
14. I hereby certify that the foregoing is true a	nd correct			
Name (Printed/Typed)  Barbara Lester			Title Red	gulatory Specialist
Signature DA WW	Why .			/2007
AND THE PROPERTY OF THE PARTY OF THE	ESPACE RORGED BREADA	DRESTAUD OF		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JUL 0 9 2007

Title

Office

#### **DIRECTIONAL DRILLING PLAN**

### **APPROVAL OF OPERATIONS**

#### **Attachment for Permit to Drill**

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 32-13E

SHL: 1624' FSL & 913' FEL, Sec. 13-10S-19E BHL: 1050' FSL & 1550' FEL, Sec. 13-10S-19E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

### 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

<u>Formation</u>	Depth (MD)
Wasatch Tongue	4,165'
Uteland Limestone	4,525'
Wasatch	4,685'
Chapita Wells	5,595'
Uteland Buttes	6,855'
Mesaverde	7,735'

#### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

<u>Formation</u>	Depth (MD)	Type
Wasatch Tongue	4,165'	Oil
Uteland Limestone	4,525'	Oil
Wasatch	4,685'	Gas
Chapita Wells	5,595'	Gas
Uteland Buttes	6,855'	Gas
Mesaverde	7,735'	Gas

#### 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	<u>Size</u>	Weight	<u>Grade</u>	Conn.	<u>Top</u>	Bottom (MD)	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0,	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0,	3,400'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0,	8,650'	7-7/8"

#### 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

A diagram of the planned BOP equipment for normal drilling operations in this 65 area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- . An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

Depths (MD)	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' - 3,400'	8.6	Fresh water, rotating head and diverter
3,400' -8,650'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

#### 12. CEMENT SYSTEMS

- a. Surface Cement:
  - Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "G" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,400' (MD) ±, run and cement 9-5/8".
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
Type	Sacks	Interval (MD)	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	400	0'-2,900'	10.5 ppg	4.14 CFS	946 CF	1,656 CF
Tail	254	2,900'-3,400'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.

Water requirement: 26.07 gal/sack Compressives @, 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.

Pump Time: 1 hr. 5 min. @ 110 °F.

Compressives @ 110 °F: 2,500 psi after 24 hours

#### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,650' (MD) ±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

					<u>Hole</u>	<u>Cement</u>
<u>Type</u>	Sacks	Interval (MD)	Density	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	90	3,885'-4,685'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4.685'-8.650'	13.0 ppg	1.75 CFS	687 CF	1.374 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.

Water requirement: 17.71 gal/sack Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.

Water requirement: 9.09 gal/sack Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: October 3, 2007

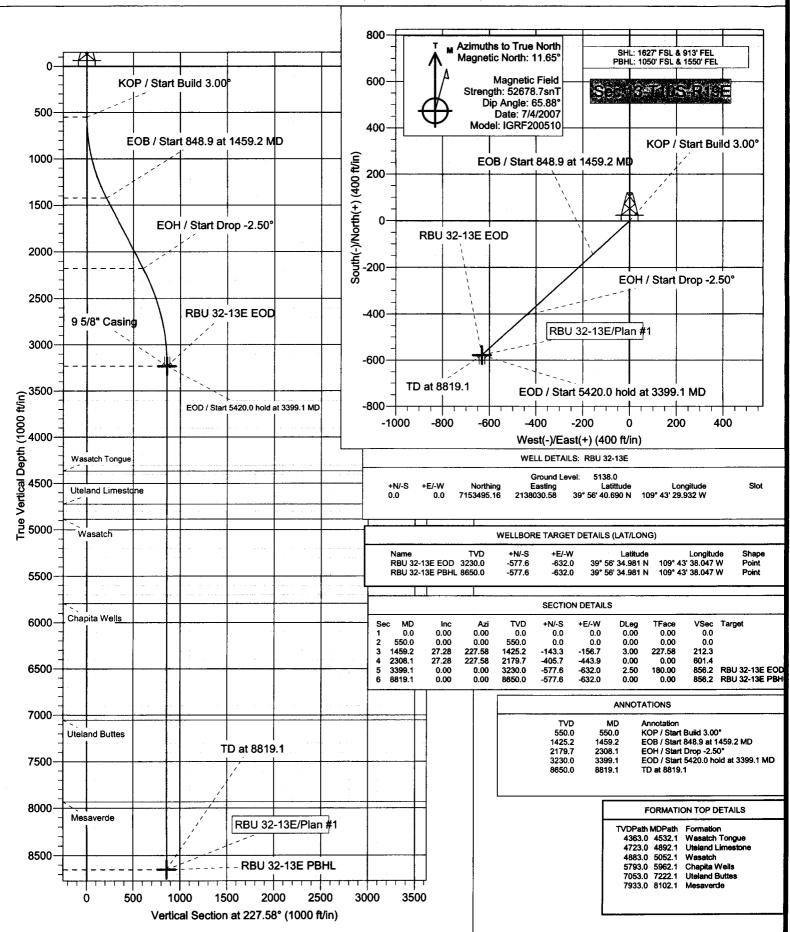
Duration: 14 Days



Company: Dominion E & P Project: Uintah Co., Utah Site: Sec.13-T10S-R19E Well: RBU 32-13E

Wellbore: Wellbore #1
Plan: Plan #1 (RBU 32-13E/Wellbore #1)





#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

**ENTITY ACTION FORM** 

Operator:

Dominion Exploration & Production, Inc.

Operator Account Number: N1095

Address:

14000 Quail Springs Parkway, Suite 600

city Oklahoma City

state OK zip 73134 Phone Number: <u>405-749-5237</u>

#### Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
43-047-38548	RBU 32-13E		NESE	13	108	19E	Uintah
Action Code	Current Entity Number	New Entity Number	s	pud Da	te	Entity Assignme Effective Date	
\$B	99999	7050	€	5/23/200	7	7	1/23/07

Comments:

MURD = WSMUD

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	S	pud Dat	8		lity Assignment Effective Date
Comments:							

#### Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number		pud Da	te		tity Assignment Effective Date
Comments:							

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Barbara Lester

Regulatory Specialist

7/11/2007

(5/2000)

JUL 1 1 2007

RECEIVED

Form 3160-5 (August, 1999)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires: November 30, 2000

5. Lease Serial No.

U-013765

6. If Indian, Allottee or Tribe Name

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

abandoned well. Use	e Form 3160-3 (APD) for such proposals.				
	ezgus (maje nastatiqui), so o assau suji		7. If Unit or CA/Agr	eement, Name and/or No	
1. Type of Well			River Ben		
Oil Well X Gas Well	Other CONFIDENTIA	1	8. Well Name and N	lo.	
2. Name of Operator	— OCHHIDLINIA		RBU 32-1	3E	44
Dominion Exploration & Production	on. Inc.		9. API Well No.		
3a. Address	3b. Phone No. (inclu	de area code)	43-047-38	3548	
14000 Quail Springs Pkwy, Ste 6		37	10. Field and Pool, o	•	
4. Location of Well (Footage, Sec., T., R., M.			Natural B		
BHL: 1624' FSL & 913' FEL, NE : SHL: 1050' FSL & 1550' FEL, SV			Uintah, U	•	
SHL. 1000 F3L & 1000 FEL, 5V	7 SE, Sec. 13-103-19E		Ollitari, O		
12. CHECK APPROPRIATE	BOX(ES) TO INDICATE NATURE OF N	IOTICE, REPC	ORT OR OTHER	DATA	
TYPE OF SUBMISSION	ТҮРЕ	OF ACTION			
Notice of Intent	Acidize Deepen	Production (Sta	art/Resume) 🔲 V	/ater Shut-Off	
_	Altering Casing Fracture Treat	Reclamation	<b>□</b>	/ell Integrity	
X Subsequent Report	Casing Repair New Construction	Recomplete	_	ther	
	Change Plans Plug and Abandon	Temporarily At	-	Spud Well	
Final Abandonment Notice	Convert to Injection Plug Back	Water Disposa	<u></u>		
If the proposal is to deepen directionall Attach the Bond under which the word following completion of the involved on testing has been completed. Final A determined that the site is ready for final	ration (clearly state all pertinent details, including estimate to or recomplete horizontally, give subsurface locations k will be performed or provide the Bond No. on file with lerations. If the operation results in a multiple completio bandonment Notices shall be filed only after all requiren al inspection.)  2 jts 13-375", 48#, H-40 csg set @ 518'	and measured and BLM/BIA. Requir n or recompletion in nents, including recl	true vertical depths of the subsequent reports a new interval, a flamation, have been	of all pertinent markers ar ts shall be filed within 30 Form 3160-4 shall be filed completed and the opera	nd zones. davs d once tor has
returns. 15 bbls to surface.				.,,,	
14. I hereby certify that the foregoing is true Name (Printed/Typed)	and correct	1			
Barbara Lester		Title	Regulatory	Specialist	
Signature DA	Dan.	Date	7/11/2007		
	CHARLE BELLEVILLE BELL	I MONTH (CA)	S		
Approved by		Title		Date	
	ed. Approval of this notice does not warrant or	Office			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

which would entitle the applicant to conduct operations thereon.

RECEIVED

DIV. OF OIL, GAS & MINING

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

### **ENTITY ACTION FORM**

Operator:

XTO ENERGY INC.

Operator Account Number: N 2615

Address:

2700 FARMINGTON AVE K #1

city FARMINGTON

<u>z</u>ip 87401 state NM

Phone Number: \_(505) 324-1090

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304738548	RBU 32-13E		NESE	13	108	19E	UINTAH
Action Code	Current Entity Number	New Entity Number	s	pud Da	te		tity Assignment Effective Date
\$B		7050		7/16/200	7		

Comments:

DOMINION E&P SPUDDED THIS WELL. XTO ENERGY ASSUMED OWNERSHIP 8/1/2007.

Well 2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304738294	RBU 2-4E	NWNE	NWNE 4 10S		19E	County UINTAH ntity Assignment Effective Date	
Action Code	Current Entity Number	New Entity Number	s				
KB		1050	7	7/10/200	)7		

DOMINION E&P SPUDDED THIS WELL. XTO ENERGY ASSUMED OWNERSHIP 8/1/2007

Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4301530633	SKYLINE UNIT 1-6		NENE	6	168	6E	EMERY
Action Code	Current Entity Number	New Entity Number	s	pud Da	te		tity Assignment Effective Date
Α	99999	16418		7/29/200	7	10	117/07

DOMINION E&P SPUDDED THIS WELL. XTO ENERGY ASSUMED OWNERSHIP 8/1/2007.

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity

  Cother (Explain in 'comments' section)

  Signature (
  Regulatory Compliance Tech

Title

8/7/2007

Date

AUG 1 0 2007

W	ell:		API Number:	Commenced:
HO	CU 12-29FA	drlg rpts/wcr	4304735507	11/06/2004
RI	3U 27-18F	drlg rpts/wcr	4304738555	01/07/2007
RE	BU 11-17E	drlg rpts/wcr	4304737057	02/20/2007
RE	BU 15-9E	wcr	4304737747	02/21/2007
RE	BU 1-3E	drlg rpts/wcr	4304736810	03/02/2007
RE	BU 13-16F	drlg rpts/wcr	4304735348	03/19/2007
LC	'U 15-9H	drlg rpts/wcr	4304736806	04/12/2007
RE	BU 1-17E	drlg rpts/wcr	4304736429	04/25/2007
Ut	e Tribal 2-11H	drlg rpts/wcr	4304739064	05/07/2007
RE	SU 8B-17E	drlg rpts/wcr	4304738780	05/14/2007
LC	U 14-3H	drlg rpts/wcr	4304736805	05/20/2007
LC	U 16-3H	drlg rpts/wcr	4304738382	05/26/2007
LC	U 11-3H	drlg rpts/wcr	4304736776	05/29/2007
LC	U 10-3H	drlg rpts/wcr	4304738381	06/03/2007
RE	U 31-10E	drlg rpts/wcr	4304738595	06/21/2007
RB	U 17-15E	drlg rpts/wcr	4304738596	06/22/2007
RB	U 32-13E	drlg rpts/wcr	4304738548	06/23/2007
RB	U 28-18F	drlg rpts/wcr	4304738543	06/24/2007

#### NOTICE

Utah Cil and Gas Conservation General Rule R649-3-21 states that.

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- ➤ Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - · A copy of electric and radioactivity logs, if run
  - A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - · A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the div	ision has not received the requi	red reports for
Operator: XTO Energy, Inc	Today's	Date:11/27/2007
Well:	API Number:	Drilling Commenced
See Attachment		

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

F.O. Box 145801

Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc: Well File Compliance File

## Division of Oil, Gas and Mining

## **OPERATOR CHANGE WORKSHEET**

ROUTING	
1. DJJ	
2 CDW	_

X - Change of Operator (Well Sold)

Operator Name Change/Merger

A - Change of Operator (Wen Sold)			Орега	WI INAILIE	Change/Merg	OI.	
The operator of the well(s) listed below has chan	ged, effe	ctive:			7/1/2007		
FROM: (Old Operator):			<b>TO:</b> ( New O <sub>1</sub>	perator):			
N1095-Dominion Exploration & Production, Inc			N2615-XTO E	nergy Inc			
14000 Quail Springs Parkway, Suite 600			810 Ho	uston St			
Oklahoma City, OK 73134			Fort Wo	orth, TX 76	5102		
·							
Phone: 1 (405) 749-1300			Phone: 1 (817)	870-2800			
CA No.			Unit:		RIVER I		
WELL NAME	SEC TV	WN RNG	API NO		LEASE TYPE		WELL
CHE AREA CHER LICE				NO		TYPE	STATUS
SEE ATTACHED LIST	l			<u> </u>	<u> </u>		
OPERATOR CHANGES DOCUMENT	ATION	J					
Enter date after each listed item is completed	AIION	•					
1. (R649-8-10) Sundry or legal documentation wa	s receive	d from the	FORMER one	erator on	8/6/2007		
2. (R649-8-10) Sundry or legal documentation was			-		8/6/2007	•	
, , ,			-				8/6/2007
3. The new company was checked on the <b>Depart</b>		Jommerce					8/0/2007
4a. Is the new operator registered in the State of U			Business Numb	oer:	5655506-0143		
4b. If <b>NO</b> , the operator was contacted contacted of			*****				
5a. (R649-9-2)Waste Management Plan has been re		n:	IN PLACE	<u> -</u>			
5b. Inspections of LA PA state/fee well sites comp	lete on:		n/a	_			
5c. Reports current for Production/Disposition & S	Sundries o	on:	ok	_			
6. Federal and Indian Lease Wells: The BL	M and o	r the BIA l	nas approved the	e merger, na	me change,		
or operator change for all wells listed on Feder	al or Indi	an leases o	on:	BLM	_	BIA	-
7. Federal and Indian Units:							
The BLM or BIA has approved the successor	of unit c	perator fo	r wells listed on	:			
8. Federal and Indian Communization Ag	reemen	ts ("CA"	<b>):</b>				
The BLM or BIA has approved the operator	for all we						
9. Underground Injection Control ("UIC"	')	The D	ivision has appro	oved UIC F	orm 5, <b>Transfer</b>	of Auth	ority to
Inject, for the enhanced/secondary recovery ur	nit/projec	t for the w	ater disposal we	ll(s) listed o	on:		_
DATA ENTRY:							
1. Changes entered in the Oil and Gas Database	on:		9/27/2007	_			
2. Changes have been entered on the Monthly O	perator (	Change Sp	read Sheet on:		9/27/2007		
3. Bond information entered in RBDMS on:			9/27/2007	_			
4. Fee/State wells attached to bond in RBDMS or			9/27/2007	_			
5. Injection Projects to new operator in RBDMS			9/27/2007	- 0.05.0005			
6. Receipt of Acceptance of Drilling Procedures f	or APD/	New on:		9/27/2007	-		
BOND VERIFICATION:			T.TTD 000140				
1. Federal well(s) covered by Bond Number:			UTB000138	_			
2. Indian well(s) covered by Bond Number:	no mro11(~)	ligted as-	n/a	- iumbor	104312762		
3a. (R649-3-1) The NEW operator of any state/fe			-			-	
3b. The <b>FORMER</b> operator has requested a release	se of liabi	inty from t	neir bond on:	1/23/2008	-		
The Division sent response by letter on:	1 A 1875 A 1	NT.			<u> </u>		
LEASE INTEREST OWNER NOTIFIC	ATIO	N:					
4 (7) (40 0 40) (7) (7)			1 1.0 11	. 1	. 4 B' ' '		
4. (R649-2-10) The <b>NEW</b> operator of the fee wells of their responsibility to notify all interest owner.				y a letter fr	om the Division		

	DEPARTMENT OF NATURAL RESOU	BOES	LOUM 9
	DIVISION OF OIL, GAS AND MI		5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDR	Y NOTICES AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill	new wells, significantly deepen existing wells below cur laterals. Use APPLICATION FOR PERMIT TO DRILL f	rrent bottom-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL		ionnior such proposais.	8. WELL NAME and NUMBER:
OIL WELL	GAS WELL 🗹 OTHER_		SEE ATTACHED
2. NAME OF OPERATOR:	110115		9. API NUMBER:
XTO Energy Inc.	N2615		SEE ATTACHED
3. ADDRESS OF OPERATOR: 810 H		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:  Natural Buttes
4. LOCATION OF WELL	Y FOIL WOLLIL STATE IX ZIP	76102 (817) 870-2800	Natural Dattes
FOOTAGES AT SURFACE: SEE A	ATTACHED		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:		STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
[7]	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)		panel	
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show all p	pertinent details including dates, depths, volu	mes, etc.
Effective July 1, 2007,	XTO Energy Inc. has purchased	the wells listed on the attachme	nt from:
Dominion Exploration 14000 Quail Springs F		) <del>5</del>	
Oklahoma City, OK 73	arkway, Suite 000 7		
Ordanoma Orty, Ort 70	104		
		•	
JamsDA	e (405) 74	9-1300	
James D. Abercrombi	e (403) 17	, ,0	
Sr. Vice President, Ge	eneral Manager - Western Busine	ss Unit	
Diagon ha advised the	t VTO Franciska in considered t	to he the exempton on the effects	ad list and is usen enails.
	at XTO Energy Inc. is considered to conditions of the lease for the open		
	vide BLM Bond #104312750 and		
, ,			
•			
		· · · · · · · · · · · · · · · · · · ·	
NAME (PLEASE PRINT) Edwin S.	Ryan, Jr.	TITLE Sr. Vice Preside	ent - Land Administration
	11, -11		
SIGNATURE <u>EUUU</u>	I Fefore it	DATE <u>7/31/2007</u>	
		The second secon	
(This space for State use only)	<i>A</i>		RECEIVED
A DDD OTT	n 9127107		<b>P</b> • • • • • • • • • • • • • • • • • • •

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

AUG 0 6 2007

DIV. OF OIL, GAS & MINING

## RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730087	OSCU 2	NWSE	03	100S	200E	U-037164	7050	Federal	GW	P
4304730266	RBU 11-18F	NESW	18	100S	200E	U-013793	7050	Federal	GW	P
4304730374	RBU 11-13E	NESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304730375	RBU 11-15F	NESW	15	100S	200E	U-7206	7050	Federal	GW	P
4304730376	RBU 7-21F	SWNE	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304730405	RBU 11-19F	NESW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304730408	RBU 11-10E	NESW	10	100S	190E	U-013792	7050	Federal	GW	P
4304730410	RBU 11-14E	NESW	14	100S	190E	U-013792	7050	Federal	GW	P
4304730411	RBU 11-23E	NESW	23	100S	190E	U-013766		Federal	GW	
4304730412	RBU 11-16F	NESW	16	100S	200E	U-7206	7050	Federal	GW	P
4304730585	RBU 7-11F	SWNE	11	100S	200E	U-01790	7050	Federal	GW	P
4304730689	RBU 11-3F	NESW	03	100S	200E	U-013767	7050	Federal	GW	P
4304730720	RBU 7-3E	SWNE	03	100S	190E	U-013765	7050	Federal	GW	P
4304730759	RBU 11-24E	NESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304730761	RBU 7-10F	SWNE	10	100S	200E	U-7206	7050	Federal	GW	P
4304730762	RBU 6-20F	SENW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304730768	RBU 7-22F	SWNE	22	100S	200E	14-20-H62-2646	7050	Indian	GW	P
4304730887	RBU 16-3F	SESE	03	100S	200E	U-037164	7050	Federal	GW	P
4304730915	RBU 1-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304730926	RBU 1-14E	NENE	14	100S	190E	U-013792	7050	Federal	GW	P
4304730927	RBU 1-22E	NENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304730970	RBU 1-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P
4304730971	RBU 4-19F	NWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304730973	RBU 13-11F	SWSW	11	100S	200E	U-7206	7050	Federal	WD	A
4304731046	RBU 1-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	S
4304731115	RBU 16-16F	SESE	16	100S	200E	U-7206	7050	Federal	GW	P
4304731140	RBU 12-18F	NWSW	18	100S	200E	U-013793	7050		GW	
4304731141	RBU 3-24E	NENW	24	100S	190E	U-013794	7050	Federal	GW	P
4304731143	RBU 3-23E	NENW	23			U-013766	7050	Federal	GW	P
4304731144	RBU 9-23E	NESE	23		· · · · · · · · · · · · · · · · · · ·	U-013766	7050	Federal		P
4304731145	RBU 9-14E	NESE	14			U-013792	7050	Federal	GW	
4304731160	RBU 3-15E	NENW	15			U-013766	L	Federal	GW	
4304731161	RBU 10-15E	NWSE	15			U-013766		Federal		
4304731176	RBU 9-10E	NESE	10		<del> </del>	U-013792	<del></del>	Federal		
4304731196	RBU 3-14E	SENW	14	100S	190E	U-013792		Federal		
4304731252	RBU 8-4E	SENE	04			U-013792	i	Federal		
4304731322	RBU 1-19F	NENE	19		<u> </u>	U-013769-A		Federal		
4304731323	RBU 5-10E	SWNW	10		1	U-013792		Federal		
4304731369	RBU 3-13E	NENW	13			U-013765		Federal		
4304731518	RBU 16-3E	SESE	03			U-035316		Federal		
4304731519	RBU 11-11F	NESW	11			U-7206		Federal		
4304731520	RBU 1-17F	NENE	17	1		U-013769-B		Federal		
4304731605	RBU 9-13E	NESE	13	1		U-013765		Federal		
4304731606	RBU 3-22E	NENW	22			U-013792		Federal		
4304731607	RBU 8-24E	SENE	24			U-013794		Federal		
4304731608	RBU 15-18F	SWSE	18	100S	200E	U-013794	7050	Federal	GW	P

1 09/27/2007

# RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304731613	RBU 5-11F	SWNW	11			U-7206		Federal		P
4304731615	RBU 4-22F	NWNW	22	<del> </del>	<del> </del>	U-0143521-A	7050	Federal	GW	S
4304731652	RBU 6-17E	SWNW	17	100S	190E	U-03535	7050	Federal	GW	P
4304731715	RBU 5-13E	SWNW	13	100S	190E	U-013765	1	Federal	<del> </del>	1
4304731717	RBU 13-13E	SWSW	13	100S	190E	U-013765	7050	Federal	1	<del> </del>
4304731739	RBU 9-9E	NESE	09	100S	190E	U-03505		Federal		P
4304732033	RBU 13-14E	SWSW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732037	RBU 11-3E	NESW	03	<del></del>		U-013765	· I	Federal	<u> </u>	
4304732038	RBU 6-18F	SENW	18		<del></del>	U-013769		Federal		
4304732040	RBU 15-24E	SWSE	24	100S	190E	U-013794		Federal		
4304732041	RBU 5-14E	SWNW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732050	RBU 12-20F	NWSW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732051	RBU 7-13E	SWNE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732070	RBU 16-19F	SESE	19	100S	200E	U-013769-A	7050	Federal	WD	A
4304732071	RBU 9-22E	NESE	22			U-013792		Federal		P
4304732072	RBU 15-34B	SWSE	34	090S	190E	U-01773	7050	Federal	GW	P
4304732073	RBU 11-15E	NESW	15	100S	190E	U-013766	7050	Federal	GW	P
4304732074	RBU 13-21F	SWSW	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732075	RBU 10-22F	NWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304732081	RBU 9-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732082	RBU 15-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P
4304732083	RBU 13-24E	SWSW	24	100S	190E	U-013794	7050	Federal	GW	P
4304732095	RBU 3-21E	NENW	21	100S	190E	U-013766	7050	Federal	GW	P
4304732103	RBU 15-17F	SWSE	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732105	RBU 13-19F	SWSW	19	100S	200E	U-013769-A		Federal		
4304732107	RBU 1-21E	NENE	21	100S	190E	U-013766		Federal		
4304732128	RBU 9-21E	NESE	21	100S	190E	U-013766		Federal		
4304732129	RBU 9-17E	NESE	17	100S	190E	U-03505	7050	Federal	GW	
4304732133	RBU 13-14F	SWSW	14			U-013793-A	7050	Federal	·	P
4304732134	RBU 9-11F	NESE	11	100S	200E	U-7206		Federal		P
4304732138	RBU 5-21F	SWNW	21	100S	200E	U-013793		Federal	GW	<del></del>
4304732146	RBU 1-20E	NENE	20	The section of the section of		U-03505		Federal	GW	
4304732149	RBU 8-18F	SENE	18	ļ		U-013769		Federal		
4304732153	RBU 13-23E	SWSW	23			U-13766		Federal		
4304732154	RBU 5-24E	SWNW	24			U-013794	t	Federal		
4304732156	RBU 5-14F	SWNW	14		<u> </u>	U-013793A		Federal		
4304732166	RBU 7-15E	SWNE	15			U-013766	1	Federal		
4304732167	RBU 15-13E	SWSE	13		1	U-013765		Federal		
4304732189	RBU 13-10F	SWSW	10			14-20-H62-2645		Indian	GW	
4304732190	RBU 15-10E	SWSE	10			U-013792		Federal		
4304732191	RBU 3-17FX	NENW	17	<del>,</del>		U-013769-C		Federal		
4304732197	RBU 13-15E	SWSW	15			U-013766		Federal		
4304732198	RBU 7-22E	SWNE	22			U-013792		Federal		
4304732199	RBU 5-23E	SWNW	23	.1		U-013766		Federal	4	
4304732201	RBU 13-18F	SWSW	18			U-013793		Federal	_]	4
4304732211	RBU 15-15E	SWSE	15	100S	190E	U-013766	7050	Federal	GW	P

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# RIVER BEND UNIT

api	well name	qtr_qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304732213	RBU 5-19F	SWNW	19	<u> </u>	<del></del>	U-013769-A		Federal	GW	
4304732217	RBU 9-17F	NESE	17			U-013769-C		Federal		
4304732219	RBU 15-14E	SWSE	14			U-013792			GW	
4304732220	RBU 5-3E	SWNW	03			U-03505		Federal	GW	
4304732228	RBU 9-3E	NESE	03			U-035316		Federal	GW	
4304732239	RBU 7-14E	SWNE	14			U-103792		Federal	GW	
4304732240	RBU 9-14F	NESE	14	-		U-013793-A		Federal	GW	
4304732242	RBU 5-22E	SWNW	22			U-013792		Federal	GW	1
4304732263	RBU 8-13E	SENE	13			U-013765		Federal	GW	
4304732266	RBU 9-21F	NESE	21			U-0143520-A		Federal	GW	P
4304732267	RBU 5-10F	SWNW	10	<u> </u>		U-7206	7050	Federal	GW	P
4304732268	RBU 9-10F	NESE	10	1	I	U-7206		Federal	GW	P
4304732269	RBU 4-15F	NWNW	15			INDIAN	7050	Indian	GW	PA
4304732270	RBU 14-22F	SESW	22	100S	200E	U-0143519	7050	Federal	GW	P
4304732276	RBU 5-21E	SWNW	21	100S	190E	U-013766	7050	Federal	GW	P
4304732289	RBU 7-10E	SWNE	10	100S	190E	U-013792	7050	Federal	GW	P
4304732290	RBU 5-17F	SWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732293	RBU 3-3E	NENW	03	100S	190E	U-013765	7050	Federal	GW	P
4304732295	RBU 13-22E	SWSW	22	100S	190E	U-013792	7050	Federal	GW	P
4304732301	RBU 7-21E	SWNE	21	100S	190E	U-013766	7050	Federal	GW	P
4304732309	RBU 15-21F	SWSE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732310	RBU 15-20F	SWSE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732312	RBU 9-24E	NESE	24	100S	190E	U-013794	7050	Federal	GW	P
4304732313	RBU 3-20F	NENW	20	100S	200E	U-013793-A		Federal		
4304732315	RBU 11-21F	NESW	21	100S	200E	U-0143520-A		Federal		
4304732317	RBU 15-22E	SWSE	22	100S	190E	U-013792		Federal		
4304732328	RBU 3-19FX	NENW	19	ļ		U-013769-A		Federal		4
4304732331	RBU 2-11F	NWNE	11			U-01790		Federal		
4304732347	RBU 3-11F	NENW	11			U-7206		Federal		
4304732391	RBU 2-23F	NWNE	23	<u> </u>		U-013793-A		Federal		S
4304732392	RBU 11-14F	NESW	14		I	U-013793-A		Federal		
4304732396	RBU 3-21F	NENW	21			U-013793-A		Federal		
4304732407	RBU 15-14F	SWSE	14			U-013793-A		Federal		
4304732408	RBU 4-23F	NWNW	<del> </del>			U-013793-A		Federal		
4304732415	RBU 3-10EX (RIG SKID)	NENW	10			UTU-035316		Federal		
4304732483	RBU 5-24EO	SWNW	24			U-013794		Federal		
4304732512	RBU 8-11F	SENE	11	<u> </u>		U-01790		Federal		
4304732844	RBU 15-15F	SWSE	15			14-20-H62-2646	l	Indian	GW	
4304732899	RBU 3-14F	NENW	14			U-013793-A		Federal		
4304732900	RBU 8-23F	SENE	23		ļ	U-013793-A		Federal		
4304732901	RBU 12-23F	NWSW	23			U-01470-A		Federal		
4304732902	RBU 1-15F	NENE	15			U-7260		Federal		
4304732903	RBU 3-15F	NENW	15			U-7260		Federal		
4304732904	RBU 9-15F	NESE	15	<u> </u>		U-7260		Federal		
4304732934	RBU 3-10F	NENW	10			U-7206		Federal		
4304732969	RBU 11-10F	NESW	10	100S	200E	U-7206	<u>  7050</u>	Federal	$\Box GW$	P

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## RIVER BEND UNIT

api	well name	qtr qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304732970	RBU 12-15F	NWSW	15			U-7206	· · · · · · · · · · · · · · · · · · ·	Federal	GW	
4304732971	RBU 15-16F	SWSE	16			U-7206		Federal	GW	
4304732972	RBU 1-21F	NENE	21	ļ	ļ	U-013793-A	<del> </del>	Federal	GW	<del></del>
4304732989	RBU 13-10E	SWSW	10		<u></u>	U-013792		Federal	GW	
4304732990	RBU 13-18F2	SWSW	18		<del></del>	U-013793	<del></del>	Federal		P
4304732991	RBU 6-19F	SENW	19			U-013769-A	<del></del>	Federal		P
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4304733087	RBU 6-23F	SENW	23			U-013793-A		Federal	GW	
4304733088	RBU 1-10F	NENE	10	<del></del>		U-7206	<u> </u>			P
4304733089	RBU 8-22F	SENE	22			U-0143521				P
4304733090	RBU 11-22F	NESW	22			U-0143519			GW	
4304733091	RBU 16-22F	SESE	22			U-01470-A		<del></del>		P
4304733156	RBU 4-14E	NWNW	14			U-013792	<del> </del>	Federal	GW	<u> </u>
4304733157	RBU 7-19F	SWNE	19			U-013769-A		Federal	GW	
4304733158	RBU 7-20F	SWNE	20			U-013793-A		Federal	GW	
4304733159	RBU 7-24E	SWNE	24			U-013794	<del> </del>	Federal	GW	
4304733160	RBU 8-15E	SENE	15		ļ	U-013766		Federal	GW	
4304733161	RBU 16-10E	SESE	10			U-013792		Federal	GW	
4304733194	RBU 2-14E	NWNE	14			U-013792		Federal	GW	
4304733194	RBU 13-3F	SWSW	03			U-013767		Federal	GW	
4304733361	RBU 5-3F	SWNW	03	<u> </u>	<del> </del>	U-013767		Federal		P
4304733362	RBU 15-10F	SWSE	10	ļ		U-7206	<del></del>	Federal		P
4304733363	RBU 5-16F	SWNW	16			U-7206	ļ	Federal		P
4304733365	RBU 12-14E	NWSW	14		<del> </del>	U-013792		Federal	GW	
4304733366	RBU 5-18F	SWNW	18			U-013769		Federal	GW	
	RBU 10-23F	NWSE	23			U-013709 U-01470-A	<del></del>	Federal	GW	
4304733367	RBU 14-23F	SESW	23			U-01470-A	<del> </del>	Federal	GW	
the state of the s	RBU 5-20F	SWNW	20			U-013793-A	<b>_</b>	Federal	GW	
4304733424 4304733643	RBU 2-13E	NWNE	13			U-013765		Federal	GW	
4304733644	RBU 4-13E	NWNW	13	<del></del>		U-013765		Federal	GW	<del></del>
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4304733714	RBU 4-23E	SENW	13			U-013765		Federal		
4304733715	RBU 6-13E	NWSE				U-013792	<del></del>	Federal	GW	
4304733716	RBU 10-14E	SENE	14		<del></del>	U-013792 U-013792		Federal	GW	
4304733838	RBU 8-10E	NWSW	23		<u> </u>	U-013792 U-013766		Federal	GW	
4304733839	RBU 12-23E		24		4	U-013794			GW	
4304733840	RBU 12-24E	NWSW	1		4			Federal	GW	ļ
4304733841	RBU 14-23E	SESW	23		·	U-013766			GW	
4304734302	RBU 1-23F	NENE	23			UTU-013793-A		Federal Federal		
4304734661	RBU 16-15E	SESE	15		<del> </del>	U-013766			GW	
4304734662	RBU 10-14F	NWSE	14	4		U-013793-A		Federal	GW	
4304734663	RBU 6-14E	SENW	14			U-013792		Federal		
4304734670	RBU 8-23E	NENE	23		193	U-013766	<del> </del>	Federal		
4304734671	RBU 4-24E	NENE	23	4-		U-013766		Federal	<del></del>	
4304734701	RBU 12-11F	SENW	11	100S	200E	U-7206	7050	Federal	GW	P

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	N 1093 DOMINI	ON E and P, INC. (	U INZ	.010 /	ΛΙΟ E	INLINGT, INC.				
		RIVER BEN	D UI	VIT						
		• .		*. ,sk		.*				
api	well_name	qtr qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304734702	RBU 2-15E	NWNE	15			U-013766		Federal	GW	P
4304734703	RBU 4-17F	NWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734745	RBU 10-20F	NESE	20	100S	200E	U-0143520-A		Federal		
4304734749	RBU 7-18F	SWNE	18	100S	200E	U-013769		Federal		
4304734750	RBU 12-10F	SWSW	10	100S	200E	14-20-H62-2645	<del></del>	Indian	GW	
4304734810	RBU 10-13E	NWSE	13			U-013765		Federal		
4304734812	RBU 1-24E	NENE	24		<del></del>	U-013794		Federal		
4304734826	RBU 12-21F	NESE	20			U-0143520-A		Federal		
4304734828	RBU 4-15E	NWNW	15	<del> </del>		U-013766	1	Federal	d	
4304734844	RBU 14-14E	SESW	14		<b>_</b>	U-013792		Federal		
4304734845	RBU 10-24E	NWSE	24	·		U-013794		Federal		
4304734888	RBU 4-21E	NWNW	21	<del> </del>		U-013766		Federal		
4304734889	RBU 16-24E	SESE	24	<b>.</b>		U-13794		Federal		
4304734890	RBU 12-18F2	NWSW	18			U-013793		Federal		
4304734891	RBU 10-23E	NESW	23			U-013766		Federal	1	<del></del>
4304734892	RBU 8-22E	SENE	22		<del></del>	U-013792		Federal		
4304734906	RBU 6-22E	SENW	22	+		U-013792		Federal		
4304734907	RBU 2-24E	NWNE	24	1		U-013794		Federal		
4304734910	RBU 4-16F	NWNW	16	<u> </u>		U-7206		Federal		
4304734911	RBU 12-19F	NWSW	19	+		U-013769-A		Federal		
4304734911	RBU 14-20F	SESW	20			U-0143520-A		Federal		
4304734942	RBU 1-22F	NWNW	23			U-013793-A		Federal		
4304734945	RBU 8-19F	SENE	19		<u> </u>	U-013769-A		Federal	1	
4304734946	RBU 8-20F	SENE	20			U-013793-A		Federal		
4304734940	RBU 12-17F	NWSW	17			U-013769-C		Federal		
4304734962	RBU 2-17F	NWNE	17			U-013769-C		Federal		1
4304734966	RBU 14-18F	SESW	18		<del> </del>	U-013793	<u> </u>	Federal		
4304734967	RBU 10-18F	NWSE	18			U-013794		Federal		<del></del>
4304734968	RBU 10-19F	NWSE	19			U-013769-A		Federal	L	ļ
			03			U-035316		Federal		
4304734969	RBU 10-3E							Federal		
4304734970	RBU 12-3E	NWSW SWSE	03	ļ		U-013765 U-35316		Federal		
4304734971	RBU 15-3E		03	<del>  </del>				·		<del></del>
4304734974	RBU 12-10E	NWSW	10			U-013792	<del> </del>	Federal		
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4304734976	RBU 16-13E	SESE	13			U-013765		Federal		
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4304734978	RBU 6-15E	SENW	15	<del> </del>		U-013766		Federal		
4304734979	RBU 12-15E	NWSW	15			U-013766		Federal		
4304734981	RBU 16-17E	SESE	17			U-013766		Federal		
4304734982	RBU 8-21E	SENE	21			U-013766	·	Federal		
4304734983	RBU 4-22E	NWNW	22		-	U-013792		Federal		<del></del>
4304734986	RBU 2-20F	NWNE	20		1	U-03505		Federal		4
4304734987	RBU 9-20E	SWNW	21	<del> </del>		U-03505		Federal	1	
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4304734990	RBU 8-20E	SWNW	21			U-03505		Federal	·	<del> </del>
4304735041	RBU 16-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P

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	1.	RIVER BEN	DU	NIT	· 					
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4304735059	RBU 12-13E	NWSW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735060	RBU 14-13E	SESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735061	RBU 2-22E	NWNE	22	100S	190E	U-013792			GW	P
4304735062	RBU 6-24E	SENW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735082	RBU 4-17E	NWNW	17	100S	190E	U-03505	7050	Federal	GW	P
4304735086	RBU 16-14E	NENE	23	100S	190E	U-013792	7050	Federal	GW	P
4304735087	RBU 2-3E	NWNE	03	100S	190E	U-013765			GW	P
4304735088	RBU 6-3E	SENW	03	100S	190E	U-03505	7050	Federal	GW	P
4304735100	RBU 10-10E	NWSE	10	100S	190E	U-013792	7050	Federal	GW	P
4304735101	RBU 16-22E	SESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735112	RBU 14-24E	SESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735129	RBU 6-21F	SENW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735170	RBU 1-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P
4304735171	RBU 16-9E	NESE	09	100S	190E	U-013765	7050	Federal	GW	P
4304735232	RBU 14-21F	SESW	21	100S	200E	U-0143520	7050	Federal	GW	P
4304735250	RBU 13-19F2	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735251	RBU 15-19F	SWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735270	RBU 16-21E	SESE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735304	RBU 13-20F	SWSW	20	100S	200E	U-013769	7050	Federal	GW	P
4304735305	RBU 4-21F	NWNW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735306	RBU 16-21F	SESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304735468	RBU 15-22F	SWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304735469	RBU 11-23F	SENW	23	100S	200E	U-01470A	7050	Federal	GW	P
4304735549	RBU 1-14F	NENE	14	100S	200E	UTU-013793-A	7050	Federal	GW	P
4304735640	RBU 2-21E	NWNE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735644	RBU 10-17E	NWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304735645	RBU 12-21E	NWSW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736200	RBU 8-17E	SWNE	17		d	U-013766		Federal	GW	
4304736201	RBU 15-17EX	SWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736293	RBU 2-10E	NWNE	10	100S	190E	U-013792		Federal		
4304736294	RBU 6-10E	NENW	10	100S	190E	U-013792		Federal		
4304736296	RBU 6-21E	SENW	21	100S	190E	U-013766		Federal		
4304736297	RBU 10-22E	NWSE	22			U-013792		Federal		
4304736318	RBU 14-22E	SESW	22	100S	190E	U-013792	7050	Federal	GW	P
4304736427	RBU 9-15E	NESE	15			U-013766		Federal		
4304736428	RBU 2-17E	NWNE	17	100S	190E	U-013766		Federal		
4304736429	RBU 1-17E	NENE	17	100S	190E	U-013766		Federal		
4304736432	RBU 3-19F2	NWNW	19	100S	200E	U-013769-A		Federal		
4304736433	RBU 14-17F	SESW	17	100S	200E	U-03505		Federal		
4304736434	RBU 2-19F	NWNE	19	100S	200E	U-013769-A		Federal		
4304736435	RBU 5-19FX	SWNW	19	100S	200E	U-013769-A		Federal		
4304736436	RBU 4-20F	NWNW	20	100S	200E	U-013793-A		Federal		
4304736605	RBU 16-14F	SESE	14		_!	U-013793A		Federal		
4304736608	RBU 4-3E	NWNW	03	100S	190E	U-035316	7050	Federal	GW	P

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## RIVER BEND UNIT

		- tanking		. 25	<u> </u>					
api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304736609	RBU 8-3E	SENE	03	100S	190E	U-013765	7050	Federal	GW	P
4304736610	RBU 14-3E	SESW	03	100S	190E	U-013765	7050	Federal	GW	P
4304736686	RBU 13-3E	NWSW	03	100S	190E	U-013765	15235	Federal	GW	P
4304736810	RBU 1-3E	NENE	03	100S	190E	U-013765	7050	Federal	GW	DRL
4304736850	RBU 2-10F	NWNE	10	100S	200E	U-7206	7050	Federal	GW	P
4304736851	RBU 8-21F	SENE	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304737033	RBU 4-10E	SWNW	10	100S	190E	U-035316	7050	Federal	GW	P
4304737057	RBU 11-17E	NWSE	17	100S	190E	U-03505	7050	Federal	GW	DRL
4304737058	RBU 3-17E	NENW	17	100S	190E	U-03505	7050	Federal	GW	P
4304737201	RBU 3-23F	NENW	23	100S	200E	U-013793-A	7050	Federal	OW	P
4304737341	RBU 11-20F	NESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304737342	RBU 5-15F	SWNW	15	100S	200E	U-7206	7050	Federal	OW	P
4304737343	RBU 10-16F	NWSE	16	100S	200E	U-7206	7050	Federal	OW	P
4304737344	RBU 9-16F	NESE	16	100S	200E	U-7206	7050	Federal	OW	S
4304737450	RBU 14-17E	SESW	17	100S	190E	U-03505	7050	Federal	GW	P
4304737747	RBU 15-9E	NWNE	16	100S	190E	U-013765	7050	Federal	GW	DRL
4304737893	RBU 9-4EA	SENE	04	100S	190E	U-03505	7050	Federal	GW	P
4304737998	RBU 13-23F	SWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P
4304738181	RBU 12-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
4304738182	RBU 11-4E	SE/4	04	100S	190E	U-03505	99999	Federal	GW	DRL
4304738294	RBU 2-4E	NWNE	04	100S	190E	U-013792	7050	Federal	GW	DRL
4304738295	RBU 5-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
4304738543	RBU 28-18F	NESE	13	100S	190E	U 013793-A	7050	Federal	GW	DRL
4304738548	RBU 32-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	DRL
4304738555	RBU 27-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738556	RBU 27-18F2	SWSW	18	100S	200E	U-013793	7050	Federal		DRL
4304738557	RBU 30-18F	SWSW	18		1	U-013793	7050	Federal	GW	P
4304738558	RBU 29-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738595	RBU 31-10E	NENE	15	100S	190E	U-013792	7050	Federal	GW	DRL
4304738596	RBU 17-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304738780	RBU 8B-17E	SENE	17	100S	190E	U-013766	7050	Federal	GW	DRL

7 09/27/2007

## RIVER BEND UNIT

			· · · · · ·	1				,	<del></del>	,
api	well_name	qtr_qtr	sec	twp	rng	lease_num		Lease		stat
4304730153	NATURAL 1-2	SENW	02	100S	200E	ML-10716	11377	State	OW	PA
4304730260	RBU 11-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	S
4304730583	RBU 11-36B	NESW	36	090S	190E	ML-22541	99998	State	NA	PA
4304730608	RBU 8-16D	SENE	16	100S	180E	ML-13216	99998	State	NA	PA
4304730760	RBU 11-2F	NESW	02	100S	200E	ML-10716	9966	State	OW	S
4304731740	RBU 1-16E	NENE	16	100S	190E	ML-13214	7050	State	GW	P
4304732026	RBU 16-2F	SESE	02	100S	200E	ML-10716	7050	State	GW	P
4304732042	RBU 9-16E	NESE	16	100S	190E	ML-13214	7050	State	GW	P
4304732108	RBU 14-2F	SESW	02	100S	200E	ML-10716	7050	State	GW	P
4304732136	RBU 8-2F	SENE	02	100S	200E	ML-10716	7050	State	GW	P
4304732137	RBU 5-16E	SWNW	16	100S	190E	ML-13214	7050	State	GW	P
4304732245	RBU 7-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732250	RBU 13-16E	SWSW	16	100S	190E	ML-13214	7050	State	GW	S
4304732292	RBU 15-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732314	RBU 10-2F	NWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304732352	RBU 3-16F	NENW	16	100S	200E	ML-3393-A	7050	State	GW	P
4304733360	RBU 1-16F	NENE	16	100S	200E	ML-3393	7050	State	GW	P
4304734061	RBU 6-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304734167	RBU 1-2F	NENE	02	100S	200E	ML-10716		State	GW	LA
4304734315	STATE 11-2D	NESW	02	100S	180E	ML-26968		State	GW	LA
4304734903	RBU 14-16E	SWSW	16	100S	190E	ML-13214	7050	State	D	PA
4304735020	RBU 8-16E	SENE	16	100S	190E	ML-13214	7050	State	GW	P
4304735021	RBU 10-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	P
4304735022	RBU 12-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	P
4304735023	RBU 16-16E	SWSW	15	100S	190E	ML-13214	7050	State	GW	P
4304735033	RBU 2-16E	NWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304735081	RBU 15-2F	SWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304735348	RBU 13-16F	NWNW	21	100S	200E	ML-3394	7050	State	GW	DRL
4304736169	RBU 4-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P
4304736170	RBU 3-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P



## United States Department of the Interior

# BUREAU OF LAND MANAGEMENT Utah State Office

P.O. Box 45155 Salt Lake City, UT 84145-0155



6000

IN REPLY REFER TO 3180 UT-922

Dominion Exploration & Production, Inc. Attn: James D. Abercrombie 14000 Quail Springs Parkway, #600 Oklahoma City, OK 73134-2600

August 10, 2007

Re:

River Bend Unit Uintah County, Utah

#### Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble Acting Chief, Branch of Fluid Minerals

**Enclosure** 

AUG 1 6 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES	FORM 9
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U013765
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: RIBERBEND UNIT
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: RBU 32-13E
2. NAME OF OPERATOR: XTO ENERGY INC.	9. API NUMBER: 4304738548
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1624' FSL & 913' FEL.	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 13 10S 19E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  Approximate date work will start:  ACIDIZE  DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TUBING PLUG AND ABANDON  CHANGE WELL NAME PLUG BACK  CHANGE WELL STATUS PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	TUBING REPAIR  VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  OTHER: MONTHLY  REPORTING
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es, etc.
Attached is XTO Energy's monthly report for the period of 10/05/2007 to 01/10/2008.	

(This space for State use only)

NAME (PLEASE PRINT) DOLENA JOHNSON

RECEIVED

JAN 18 2008

OFFICE CLERK

1/15/2008

DATE

## Farmington Well Workover Report

RIVERBEND	UNIT	Well # 32-13E	MV	NowV
Objective:	Drill & Complete			
First Report:	08/04/2007			
AFE:	713969			
10/9/07	Compl skid up on pipeline for X-ray crew. X-ray	ay 6-4" welds. SDWO PT sched for	or week of 10/15/07.	
10/10/07	Compl x-ray on 4" .188 X42 gas line. Compl ri	mvg skids fr/under 4" .188 X42 ga	s line. SDWO PT sched for week of 10/15/07	
10/18/07	Compl PT on 4" .188W X42 steel gas line @ 8	40 for 8hrs. PT good.		
10/27/07	Inst new TotalFlow XFC 6413 # 23107923, Fe latching vlv. tk lvl sw. electrical supplies. Com		radio 4710B #1264619,man, solar panel, csg	. and tbg xmtr,
12/19/07	Contd rpt for AFE # 713969 to D&C. MIRU S 3,500' FS & GR/CCL/CBL fr/8,788' to surf w/ 2,000' FS. 5-1/2" csg marker jts @ 4,830' - 4,83	1,000 psig held on csg. Sptd cmt b	ond fr/8,788' to 8,450'. Gd cmt bonf fr/8,450'	to est TOC @

#### NOTICE

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- ➤ Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - · A copy of electric and radioactivity logs, if run
  - · A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing o	f this notice, the division has	not received the requir	ed reports for
Operator: XTO Ene	ergy, Inc	Today's [	Date:02/14/2008
Well:		API Number:	Drilling Commenced:
See Attachment	43 OA7 38 RBU 32-13 105 19E		

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

P.O. Box 145801

Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

Well:		API Number:	Commenced:
RBU 9-13E	drlg rpts/wcr	4304731605	08/07/2007
Kings Cyn 2-32E	drlg rpts/wcr	4304738261	12/20/2006
RBU 27-18F	drlg rpts/wcr	4304738555	01/07/2007
RBU 15-9E	drlg rpts/wcr	4304737747	02/21/2007
RBU 1-3E	drlg rpts/wcr	4304736810	03/02/2007
RBU 13-16F	drlg rpts/wcr	4304735348	03/19/2007
RBU 17-15E	drlg rpts/wcr	4304738596	06/22/2007
RBU 32-13E	drlg rpts/wcr	4304738548	06/23/2007
RBU 28-18F	drlg rpts/wcr	4304738543	06/24/2007
Skyline U 1-6	drlg rpts/wcr	4301530633	07/29/2007
HCU 7-30F	drlg rpts/wcr	4304737284	08/06/2007
AP 2-2J	drlg rpts/wcr	4304737040	09/01/2007
COP 16-7-26-42	drlg rpts/wcr	4301530700	09/06/2007
KC 9-36D	drlg rpts/wcr	4304737660	09/18/2007

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SUNDRY NOTICES AND REPORTS ON WELLS  SUNDRY NOTICES AND REPORTS ON WELLS  6. IF INDIAN.ALCOTTECR TRIBE NAME  7. UNIT OF CA AGREENENT NAME; RIVERBEND UNIT  8. WELL NAME with indianals. Use APPLICATION FOR PERMIT TO DRILL form for succe proposed.  1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER  PHONE NUMBER:  A 304738548  1. RODIESSOF OPERATOR:  A 4304738548  1. RODIESSOF OPERATOR:  A 5024738548  1. RODIESSOF OPERA		DEPARTMENT OF NATURA DIVISION OF OIL, GAS			5. LEAS	E DESIGNATION AND SERM. NUMBER.		
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ADDESSO DERAYOR.  ADDESSO DERAYOR.  ADDESSO DERAYOR.  AZEC NOM NA AZEC NOME NOME NOME NOME NOME NOME NOME NOME	TV35 OF WE I							
ACTIONS OF ACTION  ACTION ACTION  ACTION NAME AND ACTION NAME AND ACTION NATURAL BUTTES  CONSISTS OF MALE  FOOTAGES AT SUPPRACE 1824" FSL & 913" FEL  COUNTY. UINTAH  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF SUBMISSION  TYPE OF ACTION  NOTICE OF INTENT  SUBMISSION  ACTION OF THE ACTION OF								
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© COMMINGEL PRESCRIBE PROPOSED OF COMPLETED OF CRATIONS. Clearly show all partinent details including datas, depths, valumes, etc.  KTO Energy Inc., has not done any work to this well from 12/19/2007 thru 01/31/2008.  WARE IPLEASE PRINTI DOLENA JOHNSON  TITLE OFFICE CLERK		CHANGE WELL NAME	E PLUG EA	rc<		water disposal		
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XTO Energy Inc., has not done any work to this well from 12/19/2007 thru 01/31/2008.  WAME PLEASE PRINT DOLENA JOHNSON TITLE OFFICE CLERK	(Submit Ongine! Form Only)	CHANGE WELL STATUS	PRODLO	TION (STARTIRESUME)	□ Z	Water Saut-Off		
WASTE LIFTGOOD LEGISTI	(Submit Ongins) Farm Only) Cale of work completory	CHANGE WELL STATUS COMMINGED PRODUCING F	PRODLO GRMATICNS RECOMP	TION(START/RESUME) ATION OF WELL SITE FLEYE - DIFFERENT FORMATIG	N	WATERSAUTOFF OTHER MONTHLY		
SIGNATURE TO SOURCE JAMES DATE 2/21/2008	(Submit Origins' Farm Only)  Date of work completion  DESCRIBE PROPOSED OR C	CHANGE WELL STATUS COMMINGED PRODUCING F CONVERT WELL TYPE OMPLETED OPERATIONS. Clean	PRODLO COMMITTONS RECOMP RECOMP Stry show all perfinant details	CTION (STARTIRESUME) ATION OF WELL SITE PLISTE - DIFFERENT FORMATICI Including dates, depths, volu	N	WATERSAUTOFF OTHER MONTHLY		
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RECEIVED FEB 2 2 2008

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: RIBERBEND UNIT  8. WELL NAME and NUMBER:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	RBU 32-13
2. NAME OF OPERATOR: XTO ENERGY INC.	9. API NUMBER: 4304738548
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 1624' FSL & 913' FEL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 13 10S 19E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:  CASING REPAIR CHANGE TO PREVIOUS PLANS  DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:  2/29/2008  CHANGE TUBING  CHANGE WELL NAME  CHANGE WELL NAME  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  RECLAMATION OF WELL SITE  CONVERT WELL TYPE  RECOMPLETE - DIFFERENT FORMATION	<ul> <li>VENT OR FLARE</li> <li>WATER DISPOSAL</li> <li>WATER SHUT-OFF</li> <li>✓ OTHER: FEB'08 MONTHLY REPORTING</li> </ul>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum XTO Energy has nothing to report on this well for the month of February 2008.	nes, etc.
NAME (PLEASE PRINT) DOLENA JOHNSON TITLE OFFICE CLERK	
SIGNATURE Date 3/1/2008	
(This space for State use only)	RECEIVED

MAR 0 5 2008

## STATE OF UTAH

	DEPARTMENT OF NATURAL RES	SOURCES		
	DIVISION OF OIL, GAS AND	MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013765
SUNDRY	NOTICES AND REPOR	RTS ON WELL	S	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal le	new wells, significantly deepen existing wells belo aterals. Use APPLICATION FOR PERMIT TO Di	ow current bottom-hole depth, RILL form for such proposals.	reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME: RIVERBEND UNIT
1. TYPE OF WELL OIL WELL				8. WELL NAME and NUMBER:
				RBU 32-13  9. API NUMBER:
2. NAME OF OPERATOR: XTO ENERGY INC.			*	4304738548
3. ADDRESS OF OPERATOR:			HONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
382 CR 3100	Y AZTEC STATE NM	21P 87410 (	505) 333-3100	NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1624'	FSL & 913' FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: NESE 13 10S	19E S	:	STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDIC	CATE NATURE O	F NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYP	E OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURETR	EAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTR	UCTION	TEMPORARILY ABANDON
6/15/2008	CHANGE TO PREVIOUS PLANS	OPERATOR CH	HANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND AB	ANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	**	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION	(START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIC	ONS RECLAMATION	OF WELL SITE	OTHER: COMPLETION
	CONVERT WELL TYPE	RECOMPLETE	- DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show	v all pertinent details includ	ding dates, depths, volum	nes, etc.
XTO Energy Inc. has drille	ed this well and has plans to c	complete it within the	ne next three mon	ths.
			4.5	
			٨.	
			3.	
			٠.	
			***	
V 1944				
	•			
••				
NAME (PLEASE PRAT) HOLLY C	. PERKINS	TITLE	REGULATORY	COMPLIANCE TECH

DATE 3/13/2008

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Miningsee Instructions on Reverse Side)
For Record Only

RECEIVED

MAR 17 2008

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

LOKIN

DIVISION OF OIL, GAS AND MINING					5. LEASE DESIGNATION AND SERAL NUMBER: U-013765		
SUNDRY NOTICE	S AND REPORTS	ON WEL	LS		NDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significa drill horizontal laterals. Use APPL  1. TYPE OF WELL OIL WELL GA	ntty deepen existing wells below currication FOR PERMIT TO DRILL fo	ent bottom-hole depr orm for such proposa	ih, reenter plugged wells, or to ls.	RIV 8. WEI	T OF CA AGREEMENT NAME: ERBEND UNIT  L. NAME and NUMBER: J 32-13E		
2. NAME OF OPERATOR:		<del></del>			NUMBER:		
XTO ENERGY INC.					4738548		
3. ADDRESS OF OPERATOR: 382 CR 3100  GITY AZTEC	STATE NM ZIP	87410	PHONE NUMBER: (505) 333-3100		ELD AND POOL, OR WILDCAT: TURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1624' FSL & 913'	FELDER (AND AND AND AND AND AND AND AND AND AND			COUN	ry: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:			***	STATE	HATU		
11. CHECK APPROPRIATE	BOXES TO INDICAT			RT, O	R OTHER DATA		
TYPE OF SUBMISSION			YPE OF ACTION		DEDEDECTATE OF DESCRIPTION		
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  ACIDIZE		DEEPEN FRACTURE	TREAT		REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING		NEW CONS			TEMPORARILY ABANDON		
1=	TO PREVIOUS PLANS	OPERATOR		ᆸ	TUBING REPAIR		
CHANGE	: TUBING	PLUG AND	ABANDON	$\bar{\Box}$	VENT OR FLARE		
	WELL NAME	PLUG BACK	(	$\Box$	WATER DISPOSAL		
	WELL STATUS	PRODUCTIO	ON (START/RESUME)	$\Box$	WATER SHUT-OFF		
	IGLE PRODUCING FORMATIONS	RECLAMAT	ION OF WELL SITE	V	OTHER: MARCH MONTHLY		
3/31/2008 CONVER	RT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION		REPORT		
12. DESCRIBE PROPOSED OR COMPLETED OP Attached is XTO Energy's monthly re	·			es, etc.			
NAME (PLEASE PRINT) DOLENA JOHNSON		TITL	OFFICE CLERK				
SIGNATURE Dolma Clah		DAT	4/3/2008				
					RECEIVED		

(This space for State use only)

APR 0 9 2003

DIV. OF OIL, GAS & MINING

### Farmington Well Workover Report

RIVERBEND UNIT Well # 032-13E MV

Objective: First Report:

Drill & Complete

AFE:

08/04/2007 713969

3/24/08

SICP 0 psig. MIRU CTU. RIH w/1-3/4" CTU to 8,788'. Circ well w/210 bbls of 2% KCl treated w/25ppm B iocide & 100 ppm LP-65 sc inhib. RDMO CTU. MIRU WLU. Correlate dpths to Schlumberger RST Log dated Dec 18th, 2007. RIH & logged well fr/8,788' - TOC @ 3200' FS. Log indic fair to pr cmt bond fr/8,788' - 8,400' FS. LD logging tls. RIH w/dump blr & spotd 9 gals of 7.5% HCl ac across stg #1 interval fr/8,606' - 8,664'. POH & LD dump blr. RIH w/4"csg gun loaded w/Titan EXP-3323-321T, 25 gm chrgs, 120 deg phasing, 0.41" dia, 45.16" pene. Perf MV stg #1 interv fr/8,664' - 8,654', 8,626' - 8,622' & 8,612' - 8,606' w/3 JSPF, 63 holes. POH & RDMO WLU. NU & BD perfs @ 3000 psig. EIR w/5 BW @ 2,500 psig. SWI & RDMO pmp trk. SDFN. 5 BLWTR.

3/27/08

SICP psig. Held safety mtg & PT all surface lines to 8,000 psig, held gd. W/stg #1 perforated w/3-3/8" csg guns loaded w/Titan EXP-3323-321T, 25 gm chrgs, fr/8,499' - 8,502', 8,508' - 8,511', 8,544' - 8,548', 8,606' - 8,609', 8,622' - 8,624' & 8,654' - 8,660' w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 69 holes). BD MV stg #1 perfs w/2% KCL wtr and EIR. A. MV perfs fr/8,499' - 8,660' w/1,350 gals of 7-1/2% NEFE HCL ac & 103 Bio-BS @ 12 BPM dwn 5-1/2" csg. ISIP 2,852 psig, 5" 2,609 psig, 10" 2,612 psig, surge balls off perfs, wait 20". Frac'd MV stg #1 perfs fr/8,499' - 8,660', dwn 5-1/2" csg w/34,876 gals wtr, 70Q CO2 foam fld (Pure Gel 3), 2% KCl wtr carrying 145,200 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 3,518 psig, 5" SIP 3,417 psig. Used 158 tons of CO2, 830 BLWTR (stg 1). RIH & set 10K CBP @ 8,470'. PT plg to 6,000 psig, gd tst. RIH w/ 3-3/8" csg guns loaded w/Titan EXP-3323-321T, 25 gm chrgs. Perf stage #2 intv fr/8,366' - 8,369', 8,374' - 8,380' w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 29 holes). POH & LD perf guns. Spearhead 750 gals 7.5% HCl and Frac'd MV stg #2 perfs fr/8,366' - 8,380', dwn 5-1/2" csg w/24,168 gals wtr, 70Q CO2 foam fld (Pure Gel 3), 2% KCl wtr carrying 61,500 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 34,552 psig, 5" SIP 3,989 psig. Used 85 tons of CO2, 575 BLWTR (stg 2). SWI & SDFN. 1405 BLWTR ttl.

3/28/08

SICP 3800 psig. Held safety mtg & PT all surface lines to 8,000 psig, held gd. RIH & set 10K CBP @ 8,100'. PT plg to 6,000 psig. RIH w/3-3/8" csg guns loaded w/Titan EXP-3323-321T, 25 gm chrgs. Perf stage #3 intv fr/7,760' - 7,765', 7,844' - 7,848', 7,890' - 7,894' & 7,944' - 7,952' w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 67 holes). POH & LD perf guns. BD MV stg #3 perfs w/2% KCL wtr and EIR. A. MV perfs fr/7,760' - 7,952' w/1,250 gals of 7-1/2% NEFE HCl ac & 98 Bio-BS @ 12 BPM dwn 5-1/2" csg. ISIP 2,684 psig, 5" SIP 1,794 psig, 10" SIP 1,218 psig, surge balls off perfs & wait 20". Frac'd MV stg #3 perfs fr/7,760' - 7,952', dwn 5-1/2" csg w/28,053 gals wtr, 70Q CO2 foam fld (Pure Gel 3), 2% KCl wtr carrying 53,700 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 3,197 psig, 5" SIP 2,818 psig. Used 56 tons of CO2, 668 BLWTR (stg 3). SWI & RDMO frac equip. 2073 BLWRT ttl. Rpts susp until further activity.

FORM 9 STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERAL NUMBER: DIVISION OF OIL, GAS AND MINING U-013765 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. RIVERBEND UNIT 1 TYPE OF WELL 8. WELL NAME and NUMBER: OIL WELL GAS WELL 🗸 OTHER **RBU 32-13E** 9. API NUMBER: 2. NAME OF OPERATOR: 4304738548 XTO ENERGY INC. 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR: PHONE NUMBER: NATURAL BUTTES CITY AZTEC NM 300 87410 (505) 333-3100 382 CR 3100 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1624' FSL & 913' FEL COUNTY: UINTAH QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 13 10S 19E STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) WATER SHUT-OFF CHANGE WELL STATUS PRODUCTION (START/RESUME) Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: APRIL MONTHLY 4/30/2008 REPORT RECOMPLETE - DIFFERENT FORMATION CONVERT WELL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is XTO Energy's monthly report for the period of 4/01/2008 thru 4/30/2008.

(This space for State use only)

NAME (PLEASE PRINT)

SIGNATURE

WANETT MCCAULEY

RECEIVED
MAY 0 8 2008

DIV. OF OIL, GAS & MINING

FILE CLERK

5/2/2008

### **Farmington Well Workover Report**

RIVERBEND UNIT Well # 032-13E MV

Objective:

Drill & Complete

First

08/04/2007

Report: AFE:

713969

4/22/08

Cont'd rpt for AFE# 713969. SICP 1350 psig. Held safety mtg & PT all surface lines to 8,000 psig, held gd. RIH & set 6K CBP @ 7,550'. PT plg to 6,000 psig, gd tst. RIH w/3-3/8" csg guns loaded w/ Titan EXP-3323-321T, 25 gm chrgs. Perf stage #4 intv fr/7,398' - 7,405', & 7,424' - 7,428', w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 35 holes). POH & LD perf guns. BD UB stg #4 perfs w/2% KCL wtr & EIR. A. UB perfs fr/7,398' - 7,428' w/750gals of 7-1/2% NEFE HCL ac & 53 Bio-balls @ 12 BPM dwn 5-1/2" csg. ISIP 2,950 psig, 5" SIP 2,827 psig, 10" SIP 2,761 psig, surge balls off perfs & SD 20". Fracd UB stg #4 perfs fr/7,398' - 7,428', dwn 5-1/2" csg w/24,706 gals wtr, Delta-R 70Q foamed frac fld, 17# gel, 2% KCl wtr carrying 45,900 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 3,318 psig, 5" SIP 2,984 psig. Used 499,817 mscf N2, 588 BLWTR (stg4). SWI & SDFN. 2,661 BLWRT ttl.

4/23/08

SICP 2900 psig. Held safety mtg & PT all surface lines to 8,000 psig, held gd. RIH & set 6K CBP @ 7,090'. PT plg to 6000 psig, gd tst. RIH w/3-3/8" csg guns loaded w/Titan EXP-3323-321T, 25 gm chrgs. Perf stage #5 intv fr/6,570' - 6,575', 6,630' - 6,636', & 6,682' - 6,684', w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 42 holes). POH & LD perf guns. BD CW stg #5 perfs w/2% KCL wtr & EIR. A. CW perfs fr/6,570' - 6,684' w/1000 gals of 7-1/2% NEFE HCL ac & 63 Bio-BS @ 12 BPM dwn 5-1/2" csg. ISIP 2,143 psig, 5" SIP 1,987 psig, 10" SIP 1,842 psig, surge balls off perfs & SD 20". Fracd CW stg #5 perfs fr/6,570' - 6,684', dwn 5-1/2" csg w/28,043 gals wtr, Delta-R 70Q foamed frac fld, 17# gel, 2% KCl wtr carrying 63,300 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 2,500 psig, 5" SIP 2,327 psig. Used 772,662 scf N2, 668 BLWTR (stg 5). RIH & set 6K CBP @ 6,410'. RIH w/3-3/8" csg guns loaded w/Titan EXP-3323-321T, 25 gm chrgs. Perf stage #6 intv fr/6,036' - 6,042', 6,116' - 6,120', 6,168' - 6,174' & 6,178' - 6,183' w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 67 holes). POH & LD perf guns. BD CW stg #6 perfs w/2% KCL wtr & EIR. A. CW perfs fr/6,036' - 6,183' w/1500 gals of 7-1/2% NEFE HCL ac & 100 Bio-BS @ 12 BPM dwn 5-1/2" csg. ISIP 716 psig, 5" SIP 50 psig, 10" vacuum psig, surge balls off perfs & SD 20". Fracd CW stg #6 perfs fr/6,036' - 6,183', dwn 5-1/2" csg w/33,236 gals wtr, Delta-R 70Q foamed frac fld, 17# gel, 2% KCl wtr carrying 115,648 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 1,931 psig, 5" SIP 1,787 psig. Used 1,084,019 scf N2, 791 BLWTR (stg 6). RIH & set 6K CBP @ 6,020'. PT plg to 6000 psig. RIH w/3-3/8" csg guns loaded w/ Titan EXP-3323-321T, 25 gm chrgs. Perf stage #7 intv fr/5,853' - 5,860', 5,918' - 5,921' & 5,964' - 5,969', w/3 JSPF (120 deg phasing, 0.41" EHD, 45.16" pene., 48 holes). POH & LD perf guns. BD CW stg #7 perfs w/2% KCL wtr & EIR, A. CW perfs fr/5,853' - 5,969' w/1000 gals of 7-1/2% NEFE HCL ac & 72 Bio-BS @ 12 BPM dwn 5-1/2" csg. ISIP 2,207 psig, 5" SIP1,849 psig, 10" SIP 1,542 psig, surge balls off perfs & SD 20". Fracd CW stg #7 perfs fr/5,853' - 5,969', dwn 5-1/2" csg w/26,150 gals wtr, Delta-R 70Q foamed frac fld, 17# gel, 2% KCl wtr carrying 73,600 lbs Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 4 ppg, ISIP 2,562 psig, 5" SIP 2,450 psig. Used 829,823 scf N2, 623 BLWTR (stg 7). SWI & RDMO WL & HES frac equip. SDFN. 4,743 BLWRT ttl. Rpts suspd until further activity.

Form 3160-5 (February 2005)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007
EADINGS, MIZICIL 31, ZUUT

– P	UREAU OF LAND MANA	AGEMENT			Expires: March 31, 2007
					ial No. 7 <b>65</b>
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-enter an					n, Allottee or Tribe Name
abandoned we	II. Use Form 3160-3 (A	(PD) for such	proposals.		.,
SUBMIT IN TRI	<b>PLICATE</b> - Other instr	uctions on rev	erse side.	7. If Unit o	or CA/Agreement, Name and/or No.
I. Type of Well Oil Well 🗆 🗸	Gas Well Other				R BEND UNIT
2. Name of Operator XTO ENERG	Y INC.	****		RBU 3	32-13E
3a Address		3b. Phone No. (incl	ude area code)	9. API W	'ell No. 7-38548
382 CR 3100, AZTEC, NM 874	10	505-333-3100	uae area coaej	<u> </u>	nd Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 7	C., R., M., or Survey Description)				RAL BUTTES
1624' FSL & 913' FEL NESE	SEC 13(I) T-10S-R-19E			11, County	or Parish, State
				UINT	AH, UTAH
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NAT	URE OF NOTICE,	REPORT, O	R OTHER DATA
TYPE OF SUBMISSION		Т	YPE OF ACTION		
	Acidize	Deepen	Production (S	Start/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Classing Repair	New Constructio	· ·		Other IST DELIVERY
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily A		
12 Describe Described Complete			•		ork and approximate duration thereof.
following completion of the invotesting has been completed. Find determined that the site is ready	olved operations. If the operation real Abandonment Notices must be f	esults in a multiple co iled only after all requ	mpletion or recompletion irements, including recla	n in a new intervarnation, have be	reports must be filed within 30 days al, a Form 3160-4 must be filed once en completed, and the operator has
Meter #388183					
				RE	CEIVED
				JUL	N 0 4 2008
				DIV. OF O	IL, GAS & MINING
					) curo a minalina
14. I hereby certify that the foreg	oing is true and correct				
Name (Printed/Typed)  JENNIFER M. H	EMBRY	Title	FILE CLERK		
Signature Lemnifer	m. Hemb	ry Date		06/02/2008	
	THIS SPACE FOR F	EDERAL OR	STATE OFFICE	E USE	
A parayed by			Tide		Dota
Approved by  Conditions of approval, if any, are at certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in	oes not warrant or the subject lease	Title Office		Date
		crime for any person	knowingly and willfull	v to make to an	v department or agency of the United

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Unite States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)





## **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

5.	Lease	Serial	No.

		<u>-013765</u>					
ĺ	6	If Indian.	Allottee	or	Tribe	Nam	e

abandoned well. Use For	n 3160-3 (APD) foi	r such proposals.			
SUBMIT IN TRIPLICAT	SUBMIT IN TRIPLICATE - Other instructions on page 2				A/Agreement, Name and/or No.
1. Type of Well Oil Well X Gas Well Other				8. Well Name a	
2. Name of Operator		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		RBU 32-13E	
XIO Energy Inc.				9. API Well No	<u> </u>
3a. Address		3b. Phone No. (include a	rea code)	43-047-385	
382 CR 3100 Aztec, NM 87410		505-3	333-3100		Pool, or Exploratory Area
<ol> <li>Location of Well (Footage, Sec., T., R., M., or Survey I</li> <li>1624' FSL &amp; 913' FEL NESE SEC 13-</li> </ol>				NATURAL BU	TIES
				11. County or	Parish, State
				UINTAH	UT
12. CHECK APPROPRIATE	E BOX(ES) TO INI	DICATE NATURE OF	NOTICE, REP	ORT, OR OTHE	ER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	J	
Notice of Intent  X Subsequent Report  Final Abandonment Notice  13. Describe Proposed or Completed Operation (clearly If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations. I testing has been completed. Final Abandonment Netermined that the final site is ready for final inspectations. It is ready for final inspectations of the complete of the involved operations of the complete of the involved operations. It is ready for final inspectations of the complete of the involved operation of the involved operations. It is ready of the involved operation of the involved operation of the involved operations. It is ready of the involved operation operation of the involved operation of the involved operation	offer horizontally, give sifermed or provide the lifthe operation results in Notices shall be filed on ection.)	ils, including estimated start ubsurface locations and me Bond No. on file with BLM n a multiple completion or ly after all requirements, in	Recomple Temporar Water Di Sasured and true vu MBIA. Required recompletion in a cluding reclamati	rily Abandon sposal roposed work and ertical depths of al subsequent report new interval, a Fr ion, have been con	Il pertinent markers and zones. Its shall be filed within 30 days

PECEIVED
JUN 0 6 2008
DIV. OF OIL, GAS & MINING

LE CLERK					
3/2008					
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Date					
16.11					

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## Farmington Well Workover Report

RIVERBEND UNIT Well # 032-13E MV

Objective:

ve: Drill & Complete

First Report:

08/04/2007

AFE:

713969

5/20/08

Cont'd rpt for AFE# 713969. SICP 1000 psig. MIRU Casedhole Solutions WLU. RIH & set 6K Weatherford CBP @ 5,350', POH & RDMO WLU. MIRU Temples rig #2 and equip. ND frac vlv, Change out and NU BOP. TIH w/4-3/4" rock tooth bit, SS, Weatherford BRS, SN & 169 jts of 2-3/8", 4.7#, L-80, EUE, 8rd tbg. Tgd CBP @ 5,350'. CW/UB/WA/MV perfs f/5,853' - 8,660'. SWI & SDFN. 4,743 BLWRT ttl.

5/21/08

SITP 0 psig. SITP 0 psig. RU pwr swivel. Estb circ w/trtd 2% KCl wtr. DO CBP's @ 5350', 6020', 6410', 7090', 7550', 8100' & 8470'. Circ cln. TIH & tgd sd @ 8700. CO sd to PBTD @ 8796'. Circ cln. TOH & LD 15 jts 2-3/8" tbg. Ld on hgr as follows: 262 jts 2-3/8" L-80, 4.7#, EUE 8rd tbg, 2-3/8" SN & BRS ( top sec). SN @ 8337', EOT @ 8338', CW/UL/MV perfs fr 5853'- 8660' & PBTD @ 8796'. ND BOP. NU WH. Pmp off BRS w/1200 psig. Well not flwg. SWI & SDFN. Rec 140 BLW. 4603 BLWTR.

5/22/08

SITP 1200 psig. SICP 1700 psig. Open to flowback tank. FTP 1000 psig. F. 0 BO, 222 BLW, 24 hrs, 24/64 ck, FCP 850 psig. Rets of gas, wtr & lt sd. 2682 BLWTR.

Flow

Zone:

MV

**Event Desc:** FLOW BACK Top Interval: 5,853 **Bottom Interval: 8,660** Avg Choke **BBLS Time** Press Size Rec Comments 7:00:00 AM 1,700 24/64 0 OWU. 8:00:00 AM 800 24/64 26 Rets wt, gas & lt sd. 9:00:00 AM 600 24/64 26 Rets wt, gas & It sd. 10:00:00 AM 600 24/64 28 Rets wt, gas & It sd. 11:00:00 AM 600 24/64 28 Rets wt, gas & It sd. 12:00:00 PM 600 24/64 24 Rets wt, gas & lt sd. 1:00:00 PM 800 24/64 0 Move ck manifold. 2:00:00 PM 950 24/64 0 Move ck manifold. 3:00:00 PM 1,050 24/64 0 Move ck manifold. 4:00:00 PM 1,300 24/64 0 Move ck manifold. 5:00:00 PM 1,300 24/64 4 Rets wt, gas & lt sd. 6:00:00 PM 1,300 24/64 7 Rets wt, gas & lt sd. 7:00:00 PM 1,300 24/64 5 Rets wt, gas & It sd. 8:00:00 PM 1,300 24/64 4 Rets wt, gas & lt sd. 9:00:00 PM 1,250 24/64 0 Rets wt, gas & lt sd. 10:00:00 PM 1,250 24/64 4 Rets wt, gas & It sd. 11:00:00 PM 1,200 24/64 9 Rets wt, gas & lt sd. 12:00:00 AM 1,150 24/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,150 24/64 8 Rets wt, gas & lt sd. 2:00:00 AM 1,100 24/64 9 Rets wt, gas & lt sd. 3:00:00 AM 1,050 24/64 10 Rets wt, gas & It sd. 4:00:00 AM 1,050 24/64 5 Rets wt, gas & lt sd. 5:00:00 AM 1,050 24/64 2 Rets wt, gas & lt sd.

5/23/08

FTP 800 psig. SICP 1050 psig. F. 0 BO, 119 BLW, 24 hrs, 18/64 ck, FTP 800- 850 psig, sicp 1050 - 1000 psig. Rets of gas, wtr & lt sd. 2563 BLWTR.

204

**Ttl Bbls:** 

Flow

Zone:

Time Press Size Rec Comments  6:00:00 AM 1,050 18/64 4  7:00:00 AM 1,050 18/64 10  8:00:00 AM 1,050 18/64 12 Rets wt, gas & It sd.  9:00:00 AM 1,050 18/64 8 Rets wt, gas & It sd.  10:00:00 AM 1,050 18/64 0 Rets wt, gas & It sd.  11:00:00 AM 1,050 18/64 0 Rets wt, gas & It sd.  11:00:00 AM 1,050 18/64 0 Rets wt, gas & It sd.  11:00:00 PM 1,350 18/64 0 Rets wt, gas & It sd.  12:00:00 PM 1,300 18/64 5 Rets wt, gas & It sd.  2:00:00 PM 1,100 18/64 4 Rets wt, gas & It sd.  3:00:00 PM 1,100 18/64 9 Rets wt, gas & It sd.  5:00:00 PM 1,050 18/64 6 Rets wt, gas & It sd.  6:00:00 PM 1,050 18/64 5 Rets wt, gas & It sd.  6:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd.  7:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd.  6:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd.  7:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd.  10:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd.  10:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd.  10:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd.  11:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd.  11:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd.  11:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  2:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  2:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  1:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  2:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  1:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  1:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  2:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  2:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  1:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  2:00:00 AM 1,000 18/64 5 Rets wt, gas & It sd.  3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd.  4:00:00 AM 1,000 18/64 5 Rets wt, gas & It sd.  5:00:00 AM 1,000 18/64 5 Rets wt, gas & It sd.	Event Desc:	FLOW BACK		Top I	nterval: 5,853	Bottom Interval:	8,660
6:00:00 AM 1,050 18/64 4 7:00:00 AM 1,050 18/64 10 8:00:00 AM 1,050 18/64 12 Rets wt, gas & it sd. 9:00:00 AM 1,050 18/64 8 Rets wt, gas & it sd. 10:00:00 AM 1,050 18/64 0 Rets wt, gas & it sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & it sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & it sd. 11:00:00 PM 1,350 18/64 0 Rets wt, gas & it sd. 1:00:00 PM 1,300 18/64 5 Rets wt, gas & it sd. 2:00:00 PM 1,100 18/64 4 Rets wt, gas & it sd. 3:00:00 PM 1,100 18/64 9 Rets wt, gas & it sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & it sd. 5:00:00 PM 1,050 18/64 6 Rets wt, gas & it sd. 7:00:00 PM 1,050 18/64 5 Rets wt, gas & it sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 5 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 AM 1,000 18/64 5 Rets wt, gas & it sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 2:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 5:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd.		Avg	Choke	BBLS			
7:00:00 AM	<u>Time</u>	Press	Size	Rec	Comments		
8:00:00 AM 1,050 18/64 12 Rets wt, gas & lt sd. 9:00:00 AM 1,050 18/64 8 Rets wt, gas & lt sd. 10:00:00 AM 1,050 18/64 0 Rets wt, gas & lt sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & lt sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & lt sd. 12:00:00 PM 1,350 18/64 0 Rets wt, gas & lt sd. 1:00:00 PM 1,300 18/64 5 Rets wt, gas & lt sd. 2:00:00 PM 1,100 18/64 4 Rets wt, gas & lt sd. 3:00:00 PM 1,100 18/64 9 Rets wt, gas & lt sd. 4:00:00 PM 1,100 18/64 6 Rets wt, gas & lt sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & lt sd. 6:00:00 PM 1,050 18/64 5 Rets wt, gas & lt sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 1:00:00 PM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd.	6:00:00 AN	M 1,050	18/64	4			
9:00:00 AM 1,050 18/64 8 Rets wt, gas & it sd. 10:00:00 AM 1,050 18/64 0 Rets wt, gas & it sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & it sd. 11:00:00 PM 1,350 18/64 0 Rets wt, gas & it sd. 12:00:00 PM 1,300 18/64 5 Rets wt, gas & it sd. 1:00:00 PM 1,100 18/64 4 Rets wt, gas & it sd. 3:00:00 PM 1,100 18/64 9 Rets wt, gas & it sd. 4:00:00 PM 1,100 18/64 6 Rets wt, gas & it sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & it sd. 6:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,050 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & it sd. 1:00:00 AM 1,000 18/64 5 Rets wt, gas & it sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 2:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd. 5:00:00 AM 1,000 18/64 4 Rets wt, gas & it sd.	7:00:00 AM	A 1,050	18/64	10			
9:00:00 AM 1,050 18/64 8 Rets wt, gas & It sd. 10:00:00 AM 1,050 18/64 0 Rets wt, gas & It sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & It sd. 11:00:00 PM 1,350 18/64 0 Rets wt, gas & It sd. 1:00:00 PM 1,300 18/64 5 Rets wt, gas & It sd. 2:00:00 PM 1,100 18/64 4 Rets wt, gas & It sd. 3:00:00 PM 1,100 18/64 9 Rets wt, gas & It sd. 4:00:00 PM 1,100 18/64 6 Rets wt, gas & It sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & It sd. 6:00:00 PM 1,050 18/64 5 Rets wt, gas & It sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & It sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd. 1:00:00 PM 1,000 18/64 4 Rets wt, gas & It sd. 1:00:00 AM 1,000 18/64 5 Rets wt, gas & It sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 2:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & It sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & It sd.	8:00:00 AN	A 1,050	18/64	12	Rets wt, gas & lt sd.		
10:00:00 AM 1,050 18/64 0 Rets wt, gas & lt sd. 11:00:00 AM 1,050 18/64 0 Rets wt, gas & lt sd. 12:00:00 PM 1,350 18/64 0 Rets wt, gas & lt sd. 1:00:00 PM 1,300 18/64 5 Rets wt, gas & lt sd. 2:00:00 PM 1,100 18/64 4 Rets wt, gas & lt sd. 3:00:00 PM 1,100 18/64 9 Rets wt, gas & lt sd. 4:00:00 PM 1,100 18/64 6 Rets wt, gas & lt sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & lt sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & lt sd. 6:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 5 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd.	9:00:00 AN	A 1,050	18/64	8	· <del>-</del>		
12:00:00 PM	10:00:00 A	M 1,050	18/64	0	· <del>-</del>		
12:00:00 PM	11:00:00 A	M 1,050	18/64	0	. •		
1:00:00 PM 1,300 18/64 5 Rets wt, gas & lt sd. 2:00:00 PM 1,100 18/64 4 Rets wt, gas & lt sd. 3:00:00 PM 1,100 18/64 9 Rets wt, gas & lt sd. 4:00:00 PM 1,100 18/64 6 Rets wt, gas & lt sd. 5:00:00 PM 1,050 18/64 5 Rets wt, gas & lt sd. 6:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,000 18/64 8 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd.	12:00:00 PI	M 1,350	18/64	0	. •		
3:00:00 PM	1:00:00 PN	1,300	18/64	5	. •		
4:00:00 PM	2:00:00 PN	1,100	18/64	4	Rets wt, gas & It sd.		
5:00:00 PM 1,050 18/64 5 Rets wt, gas & lt sd. 6:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,000 18/64 8 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	3:00:00 PN	1,100	18/64	9	Rets wt, gas & lt sd.		
6:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,000 18/64 8 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 5 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	4:00:00 PM	1,100	18/64	6	Rets wt, gas & lt sd.		
6:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 7:00:00 PM 1,050 18/64 4 Rets wt, gas & lt sd. 8:00:00 PM 1,000 18/64 8 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 5 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	5:00:00 PN	1,050	18/64	5	Rets wt, gas & It sd.		
8:00:00 PM 1,000 18/64 8 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	6:00:00 PM	1,050	18/64	4	<del>-</del>		
8:00:00 PM 1,000 18/64 8 Rets wt, gas & lt sd. 10:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	7:00:00 PM	1,050	18/64	4	Rets wt, gas & lt sd.		
11:00:00 PM 1,000 18/64 4 Rets wt, gas & lt sd. 12:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 1:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 2:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 3:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	8:00:00 PM	1,000	18/64	8	-		
11:00:00 PM       1,000       18/64       4       Rets wt, gas & lt sd.         12:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.         1:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         2:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.         3:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         4:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         5:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.	10:00:00 PM	A 1,000	18/64	4	Rets wt, gas & lt sd.		
12:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.         1:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         2:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.         3:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         4:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         5:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.	11:00:00 PM	A 1,000	18/64	4	Rets wt, gas & It sd.		
1:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         2:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.         3:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         4:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         5:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.	12:00:00 Al	M 1,000	18/64	5	Rets wt, gas & lt sd.		
2:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.         3:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         4:00:00 AM       1,000       18/64       4       Rets wt, gas & lt sd.         5:00:00 AM       1,000       18/64       5       Rets wt, gas & lt sd.	1:00:00 AN	1,000	18/64	4			
3:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	2:00:00 AM	1,000	18/64	5	-		
4:00:00 AM 1,000 18/64 4 Rets wt, gas & lt sd. 5:00:00 AM 1,000 18/64 5 Rets wt, gas & lt sd.	3:00:00 AN	1,000	18/64	4	Rets wt, gas & lt sd.		
Tota we, gas de it su.	4:00:00 AN	1,000	18/64	4	· <del>-</del>		
	5:00:00 AN	1,000	18/64	5	. •		
			Ttl Bbls:	114			

5/24/08

FTP 875 psig. SICP 1000 psig. F. 0 BO, 108 BLW, 24 hrs, 18/64" ck, FTP 875 - 850 psig, sicp 1000 psig. Rets of gas, wtr & lt sd. 2455 BLWTR.

Flow

Zone:

Event Desc:	FLOW BACK		Top I	nterval: 5,853	Bottom Interval:	8,660
	Avg	Choke	BBLS			
<u>Time</u>	<u>Press</u>	Size	Rec	Comments		
6:00:00 AM	1,000	18/64	6			
7:00:00 AM	1,000	18/64	8			
8:00:00 AM	1,000	18/64	4	Rets wt, gas & lt sd.		
9:00:00 AM	1,000	18/64	8	Rets wt, gas & It sd.		
10:00:00 AM	A 1,000	18/64	7	Rets wt, gas & It sd.		
11:00:00 AN	A 1,000	18/64	6	Rets wt, gas & lt sd.		
12:00:00 PN	1,000	18/64	6	Rets wt, gas & It sd.		
1:00:00 PM	1,000	18/64	8	Rets wt, gas & lt sd.		
2:00:00 PM	1,000	18/64	9	Rets wt, gas & lt sd.		
3:00:00 PM	1,000	18/64	8	Rets wt, gas & lt sd.		
4:00:00 PM	1,000	18/64	7	Rets wt, gas & lt sd.		
5:00:00 PM	1,000	18/64	5	Rets wt, gas & lt sd.		
6:00:00 PM	1,000	18/64	5	Rets wt, gas & lt sd.		
7:00:00 PM	1,000	18/64	2	Rets wt, gas & lt sd.		
8:00:00 PM	1,000	18/64	2	Rets wt, gas & It sd.		
10:00:00 PM	1,000	18/64	3	Rets wt, gas & lt sd.		
11:00:00 PM	1,000	18/64	2	Rets wt, gas & It sd.		

12:00:00 AM	1,000	18/64	1	Rets wt, gas & lt sd.
1:00:00 AM	1,000	18/64	2	Rets wt, gas & It sd.
2:00:00 AM	1,000	18/64	2	Rets wt, gas & lt sd.
3:00:00 AM	1,000	18/64	3	Rets wt, gas & It sd.
4:00:00 AM	1,000	18/64	1	Rets wt, gas & It sd.
5:00:00 AM	1,000	18/64	2	Rets wt, gas & lt sd.
		Ttl Bbls:	107	

5/25/08

FTP 850 psig. SICP 1000 psig. F. 0 BO, 95 BLW, 24 hrs, 18/64" ck, FTP 850 psig, sicp 1000 - 950 psig. Rets of gas, wtr & lt sd. 2360 BLWTR.

Flow

Zone:

MV

Event Desc:	FLOW BACK		Top I	nterval: 5,853	Bottom Interval:	8,660
	Avg	Choke	BBLS			
Time	Press	Size	Rec	Comments		
6:00:00 AM	1,000	18/64	5			
7:00:00 AM	1,000	18/64	3			
8:00:00 AM	1,000	18/64	4	Rets wt, gas & It sd.		
9:00:00 AM	1,000	18/64	3	Rets wt, gas & lt sd.		
10:00:00 AN	A 1,000	18/64	5	Rets wt, gas & It sd.		
11:00:00 AN	A 1,000	18/64	3	Rets wt, gas & lt sd.		
12:00:00 PN	1,000	18/64	7	Rets wt, gas & It sd.		
1:00:00 PM	1,000	18/64	3	Rets wt, gas & lt sd.		
2:00:00 PM	1,000	18/64	3	Rets wt, gas & lt sd.		
3:00:00 PM	950	18/64	5	Rets wt, gas & It sd.		
4:00:00 PM	950	18/64	3	Rets wt, gas & lt sd.		
5:00:00 PM	950	18/64	3	Rets wt, gas & It sd.		
6:00:00 PM	950	18/64	5	Rets wt, gas & It sd.		
7:00:00 PM	950	18/64	5	Rets wt, gas & It sd.		
8:00:00 PM	950	18/64	3	Rets wt, gas & lt sd.		
10:00:00 PM	f 950	18/64	3	Rets wt, gas & lt sd.		
11:00:00 PM	1 950	18/64	5	Rets wt, gas & lt sd.		
12:00:00 AM	1 850	18/64	5	Rets wt, gas & lt sd.		
1:00:00 AM	950	18/64	3	Rets wt, gas & It sd.		
2:00:00 AM	950	18/64	3	Rets wt, gas & It sd.		
3:00:00 AM	950	18/64	5	Rets wt, gas & lt sd.		
4:00:00 AM	950	18/64	3	Rets wt, gas & lt sd.		
5:00:00 AM	950	18/64	5	Rets wt, gas & lt sd.		
		Ttl Bbls:	92	. •		

5/26/08

FTP 850 psig. SICP 1000 psig. F. 0 BO, 146 BLW, 24 hrs, 18/64" ck, FTP 850 psig, SICP 1000 psig. Rets of gas & wtr. 2214 BLWTR

Flow

Zone:

Event Desc:	FLOW BACK		· Top In		Bottom Interval: 8,66	8,660
	Avg	Choke	BBLS			
<u>Time</u>	Press	<u>Size</u>	Rec	Comments		
6:00:00 AM	1,000	18/64	8	Rets of gas & wtr.		
7:00:00 AM	1,000	18/64	7	Rets of gas & wtr.		
8:00:00 AM	1,000	18/64	9	Rets of gas & wtr.		
9:00:00 AM	1,000	18/64	9	Rets of gas & wtr.		
10:00:00 AM	1,000	18/64	8	Rets of gas & wtr.		

11:00:00 AM	1,000	18/64	9	Rets of gas & wtr.
12:00:00 PM	1,000	18/64	8	Rets of gas & wtr.
1:00:00 PM	1,000	18/64	7	Rets of gas & wtr.
2:00:00 PM	1,000	18/64	7	Rets of gas & wtr.
3:00:00 PM	1,000	18/64	8	Rets of gas & wtr.
4:00:00 PM	1,000	18/64	6	Rets of gas & wtr.
5:00:00 PM	1,000	18/64	4	Rets of gas & wtr.
6:00:00 PM	1,000	18/64	5	Rets of gas & wtr.
7:00:00 PM	1,000	18/64	4	Rets of gas & wtr.
8:00:00 PM	1,000	18/64	4	Rets of gas & wtr.
9:00:00 PM	1,000	18/64	5	Rets of gas & wtr.
10:00:00 PM	1,000	18/64	4	Rets of gas & wtr.
11:00:00 PM	1,000	18/64	4	Rets of gas & wtr.
12:00:00 AM	1,000	18/64	5	Rets of gas & wtr.
1:00:00 AM	1,000	18/64	6	Rets of gas & wtr.
2:00:00 AM	1,000	18/64	6	Rets of gas & wtr.
3:00:00 AM	1,000	18/64	5	Rets of gas & wtr.
4:00:00 AM	1,000	18/64	5	Rets of gas & wtr.
5:00:00 AM	1,000	18/64	4	Rets of gas & wtr.
		Ttl Bbls:	147	

5/27/08

FTP 850 psig. SICP 1000 psig. F. 0 BO, 92 BLW, 24 hrs, 18/64" ck, FTP 850 psig, SICP 1000 - 950 psig. Rets of gas & wtr. 2122 BLWTR.

F	7	'n	w
٤.	ı	v	w

Event Desc:	FLOW BACK		Тор I	Interval: 5,853	Bottom Interval:	8,660
	Avg	Choke	BBLS			
<u>Time</u>	Press	<u>Size</u>	Rec	Comments		
6:00:00 A	M 1,000	18/64	. 4	Rets of gas & wtr.		
7:00:00 A	M 1,000	18/64	4	Rets of gas & wtr.		
8:00:00 A	M 1,000	18/64	4	Rets of gas & wtr.		
9:00:00 A	M 1,000	18/64	3	Rets of gas & wtr.		
10:00:00 A	M 1,000	18/64	3	Rets of gas & wtr.		
11:00:00 A	M 1,000	18/64	5	Rets of gas & wtr.		
12:00:00 P	M 1,000	18/64	4	Rets of gas & wtr.		
1:00:00 P	M 1,000	18/64	4	Rets of gas & wtr.		
2:00:00 PI	M 1,000	18/64	5	Rets of gas & wtr.		
3:00:00 PI	M 1,000	18/64	3	Rets of gas & wtr.		
4:00:00 Pi	M 1,000	18/64	5	Rets of gas & wtr.		
5:00:00 Pl	M 1,000	18/64	4	Rets of gas & wtr.		
6:00:00 Pi	M 1,000	18/64	4	Rets of gas & wtr.		
7:00:00 Pi	M 1,000	18/64	3	Rets of gas & wtr.		
8:00:00 Pi	M 1,000	18/64	3	Rets of gas & wtr.		
9:00:00 PI	M 1,000	18/64	4	Rets of gas & wtr.		
10:00:00 P	M 1,000	18/64	3	Rets of gas & wtr.		
11:00:00 P	M 1,000	18/64	3	Rets of gas & wtr.		
12:00:00 A	M 1,000	18/64	4	Rets of gas & wtr.		
1:00:00 Al	M 1,000	18/64	3	Rets of gas & wtr.		
2:00:00 Al	M 950	18/64	5	Rets of gas & wtr.		
3:00:00 Al	M 950	18/64	5	Rets of gas & wtr.		
4:00:00 A	M 950	18/64	4	Rets of gas & wtr.		
5:00:00 Al	M 950	18/64	3	Rets of gas & wtr.		
				_		

Flow

Flow

Ttl Bbls:

92

5/28/08	FTP 850 psig. SICP 950 psig	. F. 0 BO, 76 BLW, 24 hrs,	18/64 ck, FTP 850	- 800 psig. Rets of gas & wtr. 2046 BLWTR
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Zone:	MV					
Event Desc:	FLOW BACK		Top I	nterval: 5,853	<b>Bottom Interval:</b>	8,0
	Avg	Choke	<b>BBLS</b>			
<u>Time</u>	<u>Press</u>	Size	Rec	Comments		
6:00:00 AM	950	18/64	3	Rets of gas & wtr.		
7:00:00 AM	950	18/64	3	Rets of gas & wtr.		
8:00:00 AM	950	18/64	3	Rets of gas & wtr.		
9:00:00 AM	950	18/64	4	Rets of gas & wtr.		
10:00:00 AM	950	18/64	3	Rets of gas & wtr.		
11:00:00 AM	950	18/64	4	Rets of gas & wtr.		
12:00:00 PM	950	18/64	5	Rets of gas & wtr.		
1:00:00 PM	950	18/64	4	Rets of gas & wtr.		
2:00:00 PM	950	18/64	3	Rets of gas & wtr.		
3:00:00 PM	950	18/64	4	Rets of gas & wtr.		
4:00:00 PM	950	18/64	1	Rets of gas & wtr.		
5:00:00 PM	950	18/64	5	Rets of gas & wtr.		
6:00:00 PM	950	18/64	2	Rets of gas & wtr.		
7:00:00 PM	950	18/64	1	Rets of gas & wtr.		
8:00:00 PM	950	18/64	4	Rets of gas & wtr.		
9:00:00 PM	950	18/64	2	Rets of gas & wtr.		
10:00:00 PM	950	18/64	2	Rets of gas & wtr.		
11:00:00 PM	950	18/64	5	Rets of gas & wtr.		
12:00:00 AM	950	18/64	2	Rets of gas & wtr.		
1:00:00 AM	950	18/64	2	Rets of gas & wtr.		
2:00:00 AM	950	18/64	3	Rets of gas & wtr.		
3:00:00 AM	950	18/64	4	Rets of gas & wtr.		
4:00:00 AM	950	18/64	5	Rets of gas & wtr.		
5:00:00 AM	950	18/64	2	Rets of gas & wtr.		
		Ttl Bbls:	76	-		

5/29/08 FTP 800 psig. SICP 1100 psig. F. 0 BO, 69 BLW, 24 hrs, 18/64" ck, FTP 800 - 950 psig. Rets of gas & wtr. 1977 BLWTR.

Zone:	MV				
Event Desc:	FLOW BACK		Top I	nterval: 5,853	Bottom Interval: 8,660
	Avg	Choke	BBLS		
<u>Time</u>	Press	Size	Rec	Comments	
6:00:00 AM	f 950	18/64	2	Rets of gas & wtr.	
7:00:00 AM	1,050	18/64	3	Rets of gas & wtr.	
8:00:00 AM	1,050	18/64	2	Rets of gas & wtr.	
9:00:00 AM	1,050	18/64	3	Rets of gas & wtr.	
10:00:00 AN	1,100	18/64	2	Rets of gas & wtr.	
11:00:00 AN	1,100	18/64	3	Rets of gas & wtr.	
12:00:00 PM	1,100	18/64	4	Rets of gas & wtr.	
1:00:00 PM	1,100	18/64	2	Rets of gas & wtr.	
2:00:00 PM	1,100	18/64	5	Rets of gas & wtr.	
3:00:00 PM	1,100	18/64	3	Rets of gas & wtr.	
4:00:00 PM	1,100	18/64	2	Rets of gas & wtr.	
5:00:00 PM	1,100	18/64	4	Rets of gas & wtr.	

6:00:00 PM 7:00:00 PM	1,100 1,100	18/64 18/64	2	Rets of gas & wtr.
8:00:00 PM	1,100	18/64	2	Rets of gas & wtr.
9:00:00 PM	1,100	18/64	5	Rets of gas & wtr.
10:00:00 PM	1,100		3	Rets of gas & wtr.
11:00:00 PM	1,100	18/64	2	Rets of gas & wtr.
12:00:00 AM	1,100	18/64 18/64	2	Rets of gas & wtr.
1:00:00 AM	1,100	18/64	4	Rets of gas & wtr.
2:00:00 AM	1,100	18/64	2	Rets of gas & wtr.
3:00:00 AM	1,100	18/64	5	Rets of gas & wtr.
4:00:00 AM	1,100	18/64	2	Rets of gas & wtr.
5:00:00 AM	1,100		3	Rets of gas & wtr.
5.00.00 AIVI	1,100	18/64	2	Rets of gas & wtr.
		Ttl Bbls:	69	

5/30/08

FTP 950 psig. SICP 1100 psig. F. 0 BO, 12 BLW, 5 hrs, 18/64 ck, FTP 950 - 800 psig. Rets of gas & wtr. SWI & prep to turn to sales line. 1965 BLWTR.

Flow

Zone:

MV

Event Desc: F

FLOW BACK

Top Interval: 5,853

**Bottom Interval: 8,660** 

			•	,	 ~, ~
	Avg	Choke	BBLS		
<b>Time</b>	<b>Press</b>	Size	Rec	Comments	
6:00:00 AM	950	18/64	2	Rets of gas & wtr.	
7:00:00 AM	1,050	18/64	3	Rets of gas & wtr.	
8:00:00 AM	1,050	18/64	2	Rets of gas & wtr.	
9:00:00 AM	1,050	18/64	3	Rets of gas & wtr.	
10:00:00 AM	1,100	18/64	2	Rets of gas & wtr.	
		Ttl Bbls:	12	<b>3</b>	

5/31/08

FTP 950 psig. SICP 1100 psig. F. 0 BO, 12 BLW, 5 hrs, 18/64 ck, FTP 950 - 800 psig. Rets of gas & wtr. SWI & prep to turn to sales line. 1965 BLWTR. Rpt for XTO River Bend Unit 32-13E, AFE # 713969, to D&C CW/UP/MV well. FTP 1050 psig, SICP 1180 psig. OWU @ 2:10p.m., 05-30-08. Delv first gas sales to Questar via XTO Tap # 3 CDP. IFR 780 MCFPD.



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

5. Lease Serial No.

77	Δ1	27	CE	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name

abandoned well. Use Form 3	3160-3 (APD) for	such proposals.		ļ	
SUBMIT IN TRIPLICATE	- Other instructio	ns on page 2		7. If Unit or C	A/Agreement, Name and/or No
Type of Well     Oil Well				8. Well Name RBU 32-13I	3
3a. Address		3b. Phone No. (include are	ea code)	43-047-38!	
382 CR 3100 Aztec, NM 87410		505-3	33-3100		Pool, or Exploratory Area
	sec 13-T10s-R19			11. County of UINIAH	
12. CHECK APPROPRIATE I	BOX(ES) TO INI	DICATE NATURE OF N	NOTICE, REPO	ORT, OR OTH	ER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
Notice of Intent	Acidize	Deepen	Productio	n (Start/Resume)	Water Shut-Off
Subsequent Report  Final Abandonment Notice	Alter Casing Casing Repair Change Plans	Fracture Treat  New Construction  Plug and Abandon	Reclamati Recomple Temporar Water Dis	ite ily Abandon	Well Integrity  X Other JUNE '08  MONTHLY REPORTING
13. Describe Proposed or Completed Operation (clearly start of the proposal is to deepen directionally or recomplet Attach the Bond under which the work will be perfor following completion of the involved operations. If the testing has been completed. Final Abandonment Not determined that the final site is ready for final inspection.  Attached is XTO Energy's monthly recommended.	te horizontally, give some or provide the lather operation results in tices shall be filed on on.)	ils, including estimated starting ubsurface locations and meast Bond No. on file with BLM in a multiple completion or rely after all requirements, including the starting of t	ng date of any pr sured and true ve /BIA. Required ecompletion in a cluding reclamati	oposed work and rtical depths of a subsequent report new interval, a Fon, have been co	all pertinent markers and zones. rts shall be filed within 30 days Form 3160-4 shall be filed once

RECEIVED

JUL 0 7 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)  WANEIT MCCAULEY	Title FILE CLERK	
Signature (v) and the March 1	Date 07/01/2008	
THIS SPACE FOR FEDER	RAL OR STATE OFFICE USE	
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	nat Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## Farmington Well Workover Report

RIVERBEN	ND UNIT	Well # 032-13E	MV					
Objective:	Drill & Complete	Drill & Complete						
First Report:	08/04/2007							
AFE:	713969							
6/1/08	F. 1, 3, 312 MCF, FTP 1050 psig, SICP 1100 psig, 13/64, LP 67 psig, SP 0 psig, DP 0 psig, 10 hrs:							
6/2/08	F. 1, 10, 756 MCF, FTP 1020 psig, SICP 1080 psig, 14/64, LP 66 psig, SP 0 psig, DP 0 psig, 24 hrs.							
6/3/08	F. 0, 26, 765 MCF, FTP 900 psig, SICP 1060 psig, 14/64, LP 63 psig, SP 0 psig, DP 0 psig, 24 hrs.							
6/4/08	F. 0, 40, 698 MCF, FTP 880 psig, SICP 950 psig, 15/64, LP 73 psig, SP 0 psig, DP 0 psig, 24 hrs.							

Form 3160-5 (August, 1999)

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

OMB No. 1004-0135 Expires: November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name

5. Lease Serial No.

U-013765

			7.	If Unit or CA	Agreement, Name and/or No.			
1. Type of Well	ب على إلى عسته المستسلس ب مناطق المست	And the second second second second		8910160	35-A			
Oil Well X Gas Well	Other		8.	Well Name at	nd No.			
2. Name of Operator		River Bend unit 32-13E						
•			9.	9. API Well No.				
XTO Energy, Inc.		3b. Phone No. (include are	code)	43-047-3	8548			
3a. Address 978 North Crescent Road, Roose	evelt, UT. 84066	435-722-4521		10. Field and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec., T., R., M., 1624' FSL & 913' FEL NE/SE	1	Natural Buttes 11. County or Parish, State Uintah County, Utah						
12. CHECK APPROPRIATE	BOX(ES) TO INDICAT	E NATURE OF NOTION	CE, REPOR	T OR OTH	IER DATA			
TYPE OF SUBMISSION		TYPE OF A	CTION					
Notice of Intent  Subsequent Report	Acidize Altering Casing Casing Repair Change Plans	Fracture Treat X F New Construction F	roduction (Star reclamation recomplete remporarily Aba		Water Shut-Off Well Integrity Other Interim Reclaimation			
Final Abandonment Notice	Convert to Injection	Plug Back	Vater Disposal					
13 Describe Proposed or Completed Oper	ration (clearly state all pertinent d	etails, including estimated star	ting date of an	v proposed wo	rk and approximate duration thereof.			

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Reclaim reserve pit & reseeded on 6/20/08 by Larose Construction

RECEIVED

AUG 0 1 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (PrintedTyped)		
Jody Mecham	Title C	Construction Coordinator
Signature Sort Waln	Date	7/29/08
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-4 \* (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

	WEL	L COM	PLETION C	R REC	OMPLE	TION RE	PORT	AND LO	OG		) 3	Lease Seri		
la. Type	of Well r	T OHW	41 F3 C1	17-11	L Dev	Other	- 12					U-0137		or Tribe Name
	L		ell X Gas		Dry	Other					İ	. II mulan, 1	THO LEE	or Tribe Name
b. Type	of Completion:		New Well	☐ wor	k Over [	Deepen	L	Plug Bac	k D	iff.Resvr	7			ment Name and No.
2. Name	of Operator										<del>-</del>	Lease Nan		
	ergy Inc.											RBU 32		TOIL TO,
<ol><li>Addres</li></ol>	_						3a.	Phone No.	(include	area coa	le) 9	API Well		
382 CR	3100 A	tec, N	M 87410	1 .	r	D <b>A</b> 7	ــــــــــــــــــــــــــــــــــــــ	505-	-333-31	.00		43-047	-3854	8
4. LOCATIC	on of wen ( <i>Kep</i>	ort tocati	on clearly and	in accora	ance with	i Fearal re	quireme	ents)*			10		-	Exploratory
At Sui la	1624	FSL &	913' FEL		21/	, ~ a					111	NATURAL Sec. T. D.		TES r Block and
At ton n	rad interval no		1	-	C	5000	Ole.				[11	Survey or	Area	
At top p	iou. Hiicivai ic	ported be	low	SI	1	, C	WALL				13			-T10S-R19E
At total	n of Well (Rep  to 1624 '  rod. interval re  depth 105  pudded	∩। ਸ਼ਵਾ.	s 1557	्र्रे एएस.	111	CNESS						.County or	Parisn	13. State
14 Date S	pudded	15 D	ate T.D. Reac	ned *	<del></del>	<b>M</b> 16 D	ate Com	nleted				INTAH Elevation	c (DE 1	UT RKB, RT, GL)*
	padava	13. 13.	ato 1.15. Roue		ે, ૦૬		D & A	ipicica [	x Ready	to Prod		. Dicyation	s (DI, 1	ICD, KI, CL)
6/23	/07	8.	/2/07		DIA.		5/30	/08	41			5138'		
18. Total l	Depth: MD	88	350' 1º	. Plug Ba	ck T.D.:	MD		96'	20. I	Depth Br	idge Plu		D	
	TVD		31.95			TVD	8(	031				T	VD	
21. Type I	Electric & Othe	r Mechan	ical Logs Run	(Submit c	opy of ea	ch)		,	22. W	as well co	ored?	X No		Yes (Submit analysis)
									W	as DST n	un	X No		Yes (Submit report
	/CBL/NOV		17	70					D	irectional	Survey?	No	X	Yes (Submit copy)
23. Casing	and Liner Rec	ord (Repo	ort all strings	set in well)	<del></del>									r
Hole Size	Size/Grade	Wt.(#ft.	) Top (MD	) Botton	n (MD)	Stage Cem Deptl		No.of S Type of (		Slurry (BB		Cement T	op*	Amount Pulled
7-1/2"	13-3/8"	48#	0	55	0'			500	G			SURI	r	
2-1/4"	9-5/8"	36#	0	34	19'			750	III	.*		2,00	0	
7-7/8"	5-1/2"	17#	0	88	41'			800	v			3,20	0	
								~						
24. Tubing	Record			·										· · · · · · · · · · · · · · · · · · ·
Size	Depth Set (	MD) J	Packer Depth (N	(D)	Size	Depth Set	(MD)	Packer D	epth (MD)	Si	ze	Depth Set	(MD)	Packer Depth (MD)
2-3/8"	8,338													
25. Produc	ing Intervals					26. Perfor	ation R	ecord						
	Formation		Тор	Во	ttom		rforated			Size	N	o. Holes		Perf. Status
<b>A</b> )	WSTCH-MV	<i>r</i>	5853 '	86	60'	589	33 -	8660		0.41		176		
3)						per	00	er		5				
C)							<u> </u>							
D)														
27. Acid, F	racture, Treatr	nent, Cen	nent Squeeze,	Etc.										
1	Depth Interval					-		Amount and	d Type of N	laterial				
585	3' - 8660'		Spotd	9 gals	of 7.	5% HCl a	ac acı	ross int	terval	fr/86	06' -	8654'.	A. v	v/6,850 gals
			7.5% 1	ICl aci	d. Sp	earhead	750 g	gals (fi	r/8366	-8380	') 7.	5% HCl.	Frac	e'd w/87,097
2			gals v	vtr, 70	Q CO2	foam flo	i (Pu	re Gel :	3) & 13	2, 13	5 gal	s wtr De	lta-I	R 70Q foamed
						2% KCl								
8. Producti	on - Interval A									· · · · · · · · · · · · · · · · · · ·		/		
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gra	vity	Gas	Pr	oduction	Method		
Produced <b>5/30/08</b>	5130108	Tested	Production	BBL	MCF 780	BBL	Corr. A	.Ft	Gravity	1	-		FLOW	ING
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas: C	)il	Well Stat	18				
Size 18/64	Flwg. SI <b>1050</b>	Press. 1180	Hr.	BBL	MCF 780	BBL	Ratio			יינירויטמי	יישעד			
	ion-Interval B		<u> </u>		, , 00	<del>.l</del>	1		<u></u>	RODUC	11/6	-		
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gra		Gas	Pr	oduction	Method		
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. A.	Pf	Gravity					
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas: O	oil l	Well State	IS				
Size	Flwg. SI	Press.	Hr.	BBL	MCF	BBL	Ratio							

28b. Producti	ion - Interv	/al C								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Pres Flwg. SI	cs. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
28c. Product	tion-Interv	al D				<del></del> .		.1		
Date First	Test	Hours	Test	Oil	Gas	Water	Oil	Gas	Production Method	
Produced	Date	Tested	Production	BBL	MCF	BBL	Gravity Corr. API	Gravity		
Choke Size	Tbg. Pres Flwg. SI	S. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
29. Disposition	on of Gas (L	Sold, used for	fuel, vented, e	tc.)		TO BE	SOLD			
30. Summar	ry of Poro	us Zones (Inc	lude Aquifers)	:				31. Format	tion (Log) Markers	
	depth inter		y and contents t							
Format	ion	Тор	Bottom		Descr	iptions, Co	ontents, etc.		Name	Top Mass Douth
								GREEN R		Meas.Depth
	1									1225
	l							MAHOGEN		2181
								WASATCH	TONGUE	4343
	ŀ							UTELAND	LIMESTONE	4699
				1				WASATCH		4866
	]							CHAPITA	WELLS	5678
								UTELAND	BUTTE	7031
								MESAVERI	Œ	7860
								,		
									'A	
			-							
	1									
32. Addition	al remarks	(include plug	ging procedu	re):			<del>-, ··· </del>	· <del> </del>		<del></del>
3 Indicate	which iten	is have bee at	tached by plac	ing a che	ck in the a	nnronriate	hoves:			
		nical Logs (1	• •	) ]	·	ogic Repor		Directi	ional Survey	
			d cement verif	Figation [		Analysis	Other:	Daccin	onai Survey	
Sullary	/ IVOLICE TO	n hingging an	a coment vern	lication [	l Core	Allaiysis	Other.			
34. I hereby	certify tha	t the foregoin	g and attached	l informa	ion is com	plete and c	correct as determined	from all availal	ble records (see attached in	structions)*
Name (ple	ase print)	LORRI	D. BINGHA	M			Title	REGULAT	ORY COMPLIANCE TE	CH
	ſ	A								
Signature	>	Halsi	1 # 19	7,	Vis.		<b>*</b>	m /e= /e=		
oignature	-	1800	<del>/ / /</del>	<del></del>	1	<u> </u>	Date	7/21/08		
		/ /			)					
				$\sim$	<del></del>					
tle 18 U.S.C	C. Section	1001 and Tit	le 43 U.S.C.	Section 1	212, make	it a crime	for any person know	wingly and will	fully to make to any depa	rtment or agency of the United

= Ti States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### T10S, R19E, S.L.B.&M. DOMINION EXPLR. & PROD., INC. Well location, RBU #32-13E, located as shown in N89'40'E - 5339.40' (G.L.O.) the NE 1/4 SE 1/4 of Section 13, T10S, R19E, 1956 Brass Cap, Pile of Stones S.L.B.&M., Uintah County, Utah. BASIS OF ELEVATION SPOT ELEVATION LOCATED AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES 2660.4 DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET. BASIS OF BEARINGS N00.27'W LINE TABLE BASIS OF BEARINGS IS A G.P.S. OBSERVATION. DIRECTION LENGTH S47'34'38"W 856.19 1956 Brass Cap, 0.5' High, Pile of Stones. 1928 Brass Steel Pipe Cap, 0.9' High, Steel Post RBU #32-13E Elev. Graded Ground = 5138' Bottom Hole SCALE 1550' WO133'03"W THIS IS TO CERTIFY THAT THE FIELD NOTES OF ACTUAL SURVEY SUPERVISION AND THAT THE BEST OF MY KNOWLEDGE AND 1956 Brass Cap, 0.8' High, 1956 Brass 33.00' (G.L.O.) -Plie of Stones Cap, 1.0° High, Pile of Stones 589°41'44"W - 2619.09' (Meas.) \$89'43'10"W - 2620.35' (Meas.) R|RW.C. 1956 Brass Cap, Pile 1920 of Stones, Steel Pipe UINTAH ENGINEERING & LAND SURVEYING True Position 1956 Bross 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (NAD 83) Cap, 0.5' High. LATITUDE = 39'56'40.69" (39.944636) Pile of Stones, (435) 789-1017 LEGEND: LONGITUDE = 109'43'29.93" (109.724981) SCALE DATE SURVEYED: DATE DRAWN: (NAD 27) 1" = 1000'07-05-06 = 90° SYMBOL 07-10-06 LATITUDE = 39'56'40.82" (39.944672) PARTY REFERENCES LONGITUDE = 109'43'27.43" (109.724286) = PROPOSED WELL HEAD. B.B. T.A. S.L. G.L.O. PLAT WEATHER = SECTION CORNERS LOCATED. FILE WARM DOMINION EXPLR. & PROD., INC.

## **RBU 32-13E - BHL calculation**

Using PathFinder Energy Services, Survey Report @ 3434' MD and extrapolating coordinates down to MTD at 8850'

PathFinder South displacement = 573.34'

SL @ 1624' FSL - 573.34' = 1050.66' FSL

PathFinder West displacement = 633.53'

SL @ 913' FEL + 633.53' = 1546.53' FEL

BHL = 1051' FSL and 1547' FEL, Sec 13, T10S, R19E @ Measured Total Depth of 8850'

## PathFinder Energy Services, Inc.

**Survey Report** 

Page 01/04 Tie-in Date: 07/18/2007 Date Completed: 07/25/2007

Dominion E\_P RBU 32-13E Uintah Co., UT Rig:FRONTIER #6

PathFinder Office Supervisor: RICH ARNOLD PathFinder Field Engineers: MARK SNYDER

DAN WALKER

Survey Horiz. Reference:WELLHEAD Ref Coordinates; LAT:39.56.40.6900 N LON:109.43.29.9320 W

GRID Reference:NAD83 utah central Lambert Ref GRID Coor: X: 2138030.5820 Y: 7153495.2008

North Aligned To:TRUE NORTH

Total Magnetic Correction:11.65° EAST TO TRUE

Vertical Section Plane: 227.58

Survey Vert. Reference: 24.00' Kelly Bushing To Ground

Altitude:5138.00' Ground To MSL

### Survey Calculations by PathCalc v1.96 using Minimum Curvature

Measured Depth	Incl	Drift Dir.	TVD	Course Length	Vertical Section		ΓAL ar Offsets	Closi Dist		DLS
(11)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (c	deg)	(dg/100ft)
TIE II	NTO SURFA	CE								
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE	FOLLOWING	S ARE PATH	FINDER MWD	SURVEYS					4	
585.00	0.18	- 286.22	585.00	585.00	0.48	0.26 N	0.88 W	0.92@	286.22	0.03
615.00	0.62	255.11	615.00	30.00	0.65	0.23 N	1.08 W	1.11@	281.88	1.58
646.00	0.88	245.00	646.00	31.00	1.02	0.08 N	1.46 W	1.46@	273.30	0.84
677.00	1.49	232.61	676.99	31.00	1.65	0.26 S	2.00 W	2.02@	262.58	2.12
707.00	2.02	229.53	706.97	30.00	2.57	0.84 S	2.71 W	2.84@	252.76	1.79
738.00	2.55	225.05	737.95	31.00	3.80	1.68 S	3.61 W	3.99@	245.03	1.80
769.00	3,34	231.20	768.91	31.00	5.39	2.74 S	4.81 W	5.53@	240.35	2.74
800.00	4.04	230.85	799.84	31.00	7.38	3.99 S	6.36 W	7.51@	237.88	2.26
832.00	5.10	233.49	831.74	32.00	9.93	5.55 S	8.37 W	10.05@	236.47	3.38
864.00	5.98	234.54	883.59	32.00	12.99	7.36 S	10.87 W	13.13@	235.90	2.77
895.00	7.12	234.80	894.39	31.00	16.50	9.41 S	13.76 W	16.67@	235.64	3.68
927.00	8.27	234.89	926.10	32.00	20.75	11.87 S	17.26 W	20.95@	235.48	3.59
959.00	9.23	235.33	957.73	32.00	25.58	14.66 S	21.26 W	25.82@	235.41	3.01
990.00	10.38	234.80	988.27	31.00	30.81	17.68 S	25.58 W	31.10@	235.35	3.72
1022.00	11.70	232.17	1019.68	32.00	36.91	21.33 S	30.50 W	37.22@	235.03	4.41
1054.00	12.66	232.78	1050.96	32.00	43.63	25,44 S	35.86 W	43.97@	234.64	3.03
1086.00	13.72	232.78	1082.12	32.00	50.91	29.86 S	41.67 W	51.27@	234.38	3.31
1117.00	14.77	231.55	1112.16	31.00	58.51	34.54 S	47.69 W		234.09	3,52
1149.00	15.74	231.38	1143.04	32.00	66.91	39.79 S	54.28 W	67.30@		3.03
1181.00	16.80	230.32	1173.75	32.00	75.86	45.45 S	61.23 W	76.26@		3.44
1213.00	17.85	229.09	1204.30	32.00	85.38	51.61 S	68.50 W	85.77@	233.00	3.48
1244.00	18.99	227.68	1233.71	31.00	95.18	58.12 S	75.82 W		232.53	3.95
1276.00	20.14	227.25	1263.86	32.00	105.89	65.37 S	83.71 W	106.21@	232.02	3.62

## PathFinder Energy Services, Inc. Survey Report

Dominion E\_P RBU 32-13E Uintah Co., UT RIG:FRONTIER #6

Page 04/04

Measured Depth	incl	Drift Dir.	TVD	Course Length	Vertical Section		TAL lar Offsets	Clos Dist		DLS
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (i	deg)	(dg/100ft)
3025.00	12.05	222.59	2864.48	32.00	795.48	529.40 S	593.82 W	795.54@	228.28	1.42
3056.00	11.43	221.97	2894,83	31.00	801.76	534.06 S	598.06 W	801.81@	228.24	2.04
3088.00	11.08	222.15	2926.21	32.00	807.98	538.70 S	602.24 W	808.02@	228.19	1.10
3120.00	10.46	221.97	2957.65	32.00	813.93	543.14 S	606.25 W	813.97@	228.14	1.94
3152.00	10.02	221.09	2989.14	32.00	819.58	547.40 S	610.02 W	819.62@	228.10	1.46
3184.00	9.41	221.18	3020.68	32.00	824.95	551.47 S	613.57 W	824.98@	228.05	1.91
3218.00	9.06	221.18	3054.24	34.00	830.37	555.57 S	617.17 W	830.40@	228.01	1.03
3250.00	8.27	220.13	3085,87	32.00	835.16	559.23 S	620.31 W	835.18@	227.96	2.52
3283.00	7.58	219.77	3118.56	33.00	839.66	562.71 S	623.23 W	839.68@	227.92	2.16
3315.00	8.60	221.88	3150.32	32.00	843.58	565.70 S	625.80 W	843.59@	227.89	3,11
3347.00	5.72	223.47	3182.13	32.00	847.00	568.23 S	628.13 W	847.01@	227.87	2.80
3380.00	4.84	227.25	3214.99	33.00	850.03	570.36 S	630.28 W	850.04@	227.86	2.87
3389.00	4.66	227.51	3223.96	9.00	850.78	570.87 S	630.83 W	850.79@	227.86	2.01
STR	AIGHT LINE	PROJECTIO	N TO BIT					•		
3434.00	4.66	227.51	3268.81	45.00	854.43	573.34 S	633.53 W	854.44@	227.85	0.00

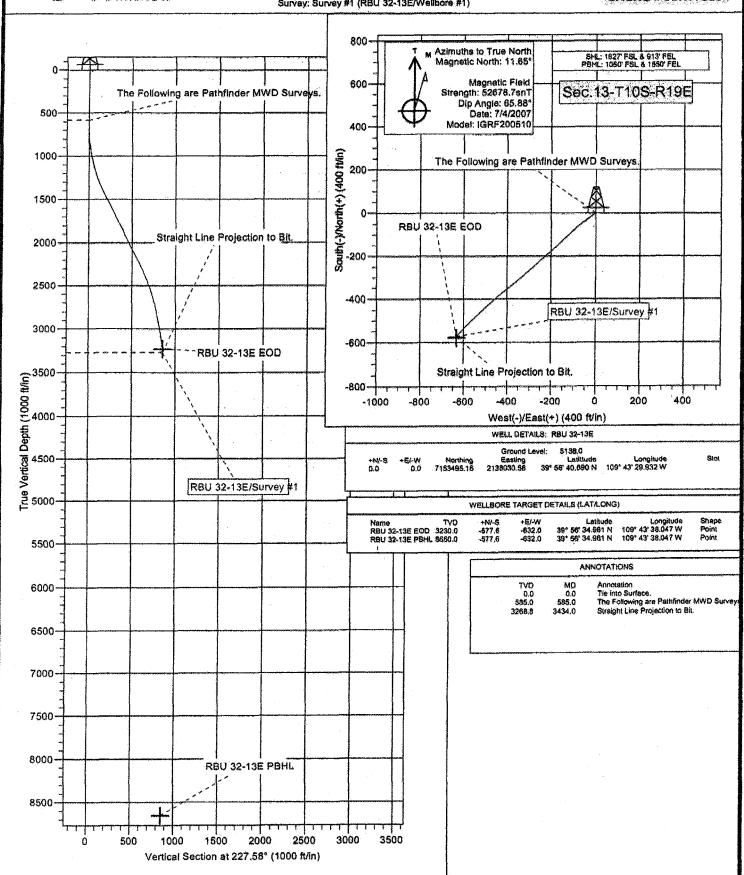






Company: Dominion E & P Project: Uinteh Co., Uteh Site: Sec.13-T10S-R19E Well: RBU 32-13E Wellbore: Wellbore #1 Survey: Survey #1 (RBU 32-13E/Wellbore #1)





		FORM 9									
	IG	5.LEASE DESIGNATION AND SERIAL NUMBER: U-013765									
SUND	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:									
Do not use this form for propo- bottom-hole depth, reenter plu DRILL form for such proposals		7.UNIT OF CA AGREEMENT NAME: RIVER BEND									
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: RBU 32-13E								
2. NAME OF OPERATOR: XTO ENERGY INC			9. API NUMBER: 43047385480000								
3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8	7410 505 333-3159 Ext	PHONE NUMBER:	9. FIELD and POOL or WILDCAT: NATURAL BUTTES								
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1624 FSL 0913 FEL			COUNTY: UINTAH								
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 13	IP, RANGE, MERIDIAN: Township: 10.0S Range: 19.0E Meridian: S		STATE: UTAH								
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA											
TYPE OF SUBMISSION		TYPE OF ACTION									
	ACIDIZE	ALTER CASING	CASING REPAIR								
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME								
	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE								
<b>✓</b> SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	■ NEW CONSTRUCTION								
9/24/2009	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK								
SPUD REPORT	☐ PRODUCTION START OR RESUME ☐	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION								
Date of Spud:	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON								
_	☐ TUBING REPAIR ☐	VENT OR FLARE	☐ WATER DISPOSAL								
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	APD EXTENSION								
	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: PWOPL								
12. DESCRIBE PROPOSED OR CO	   DMPLETED OPERATIONS. Clearly show all pertine	ent details including dates, depths, vo	olumes, etc.								
w/1.625" BB. SN @ RIH w/1.908" tbg b	as put this well on a plunger lift: 8,336'. Tgd fill @ 8,773' FS. POH roach to SN. No tight spots foun RIH & chased BHBS to SN. POH 8 and plngr. RWTP @ 2:00pm, RDN	H & LD 1.625" BB. RU & <b>A</b> d. POH. Drpd New PCS <b>U</b> N I D 1 908" tha broa <b>dbil</b>	Itah Division of								
NAME (PLEASE PRINT) Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	TITLE Regulatory Clerk									
SIGNATURE	JUJ JJJ-3U4Z	DATE									
N/A		10/5/2009									

Sundry Number: 17233 API Well Number: 43047385480000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE		FORM 9			
	s ING	5.LEASE DESIGNATION AND SERIAL NUMBER: U-013765				
SUNDI	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	existing wells below current se APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: RIVER BEND				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: RBU 32-13E			
2. NAME OF OPERATOR: XTO ENERGY INC			9. API NUMBER: 43047385480000			
3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8		IE NUMBER:	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1624 FSL 0913 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	IP, RANGE, MERIDIAN: Township: 10.0S Range: 19.0E Meridian: S		STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
		ent on this well per the t. Oi	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Volumes, etc.  ACCEPTED by the Utah Division of I, Gas and Mining R RECORD ONLY			
NAME (PLEASE PRINT) Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	TITLE Regulatory Compliance Tech				
SIGNATURE N/A	747 -777	DATE 8/3/2011				
,		U 0/ 0/ 2011				

Sundry Number: 17233 API Well Number: 43047385480000

### Riverbend Unit 32-13E

**7/6/2011:** MIRU. SN @ 8,336'. RU to tbg & PT lines. Pump 1 bbl 15% HCL w/adds & 32 bbl flush w / treated wtr, wait 30" pump 5 bbls 15% HCL w/adds & 32 bbls flush down tbg. RD fr tbg. RU to csg & PT lines. Pump 6 bbls 15% HCL w/adds & 2 bbl flush, wait 30" Pump 6 bbls 15% HCL w/ adds & 40 bbls flush. SWI. RDMO.

**7/7/2011:** MIRU SWU. BFL @ 7,100' FS. S 0 BO, 24 BW, 24 runs, 11 hrs. FFL @ 7,700' FS. SWI. RDMO SWU.

7/8/2011: MIRU SWU. BFL @ 7,400' FS. S 0 BO, 4 BW, 8 runs, 4 hrs, FFL @ 7,600' FS. SWI. SDFW.

**7/11/2011:** RIH w/ swb tls. BFL @ 7,200' FS. S 0 BO, 9.5 BW, 19 runs, 10 hrs, FFL @ 7,700' FS. SWI. SDFN.

**7/12/2011:** RIH w/ swb tls. BFL @ 7,200' FS. S 0 BO, 18 BW, 18 runs, 10 hrs, FFL @ 7,700' FS. SWI. SDFN.

**7/13/2011:** RIH w/ swb tls. BFL @ 7,300' FS. S 0 BO, 11 BW, 11 runs, 5 hrs, FFL @ 7,500' FS. KO well flwg. SITP 160 psig, SICP 190 psig. RWTP @ 12:00 p.m., 7/13/11. RDMO SWU.